Facilities for Interstate Access Service

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems

5.12.1 Provision of Special Access Service for Iowa Telecom Systems

Special Access Service for the Iowa Telecom Systems Service Group provides a dedicated transmission path to connect customer premises*, either directly or through a Telephone Company hub where bridging or multiplexing functions are performed. The provisions of this Section 5.12 apply only to the Iowa Telecom Systems Service Group, i.e., telephone exchanges listed in Section 1.1.2. Regulations and rates applicable to the provision of Special Access Service in the Iowa Telecom Service Group can be found in Sections 5.1 through 5.11, above. Special Access Service may also be combined with Switched Access Services in the provision of a customer's interstate communications service (e.g., WATS, 800, 888 or WATS-type Services). Special Access Service includes all exchange access not utilizing Telephone Company central office switches. (T)

Certain Special Access Services listed in this section of the tariff may not be currently offered in all locations in the Iowa Telecom Systems Service Group but may be provided upon customer request, on an individual case basis, if facilities can be made available with reasonable effort. (D)

5.12.1.1 Circuit Types

There are nine types of circuits used to provide Special Access Services:

- Metallic (MT)
- Telegraph Grade (TG)
- Voice Grade (VG)
- Program Audio (AP)
- Video (TV)
- Wideband Analog (WA)
- Wideband Data (WD)
- Digital Data (DA)
- High Capacity (HC)

These circuits can be either analog or digital. Analog circuits are differentiated by frequency spectrum and bandwidth. Digital connections are differentiated by bit rate.

* Telephone Company Centrex CO-like switches are considered to be customer premises for purposes of this tariff.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS SERVICE

5. Special Access (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd) (Z)

5.12.1 Provision of Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.1.1 Circuit Types (Cont'd)

Each of the nine circuits has its own characteristics. All of the circuit types are subdivided by one or more of the following:

- Transmission specifications,
- Bandwidth,
- Speed (i.e., bit rate),
- Spectrum

The circuit descriptions set forth in this section specify the characteristics of the basic circuit and indicates whether the circuit is provided between customer premises (T)
or between a customer premises and a Telephone Company hub where bridging or
multiplexing functions are performed, or between a customer premises and a Telephone (T)
Company WATS Serving Office.

Customers can order a basic circuit and select from a list of available technical specifications packages (customized or predefined), channel interfaces, and optional features to design a circuit which meets the Customer's specific communications needs. For purposes of ordering circuits, each has been identified as a type of Special Access circuit. However, such identification is not intended to limit a customer's use of the circuit, nor to imply that a circuit is limited to a particular use.

The optional features and functions available with each type of basic circuit are included in the individual service description sections following. The optional features and functions information also indicates with which technical specifications packages they are available.

When a customized circuit is ordered, the Telephone Company may determine that Additional Engineering is required to meet the customer's request for service. The customer will be notified whether Additional Engineering charges apply and will be given an estimate of the hours to be billed before any further action is taken on the order.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS SERVICE

5. Special Access Service

5.12 Special Access Services for Iowa Telecom Systems (Cont'd)

5.12.1 Provision of Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.2 Service Configurations

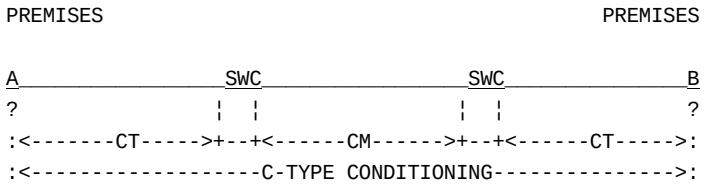
There are two types of service configurations over which Special Access Services are provided: two-point service and multipoint service.

Two-Point Service

A two-point service connects two customer premises, either on a directly connected basis or through a hub where multiplexing functions are performed. A Voice Grade Special Access Circuit may be provided as a two-point service connecting an end user premise and a Telephone Company switch when Special Access is used in conjunction with Switched Access as set forth in 4.2.5(V) for Switched Access Interface Arrangements. (T)

All types of Special Access Service may be provided as two-point service.

The following diagram depicts an example of a two-point Voice Grade service connecting two customer premises located 15 miles apart. The service is provided with the optional feature of C-Type conditioning. (T)



CT - Circuit Termination
CM - Circuit Mileage
SWC - Serving Wire Center

Applicable rate elements are:

- Circuit Termination (2 applicable)
- Circuit Mileage (fixed rate plus rate per airline mile between SWC)
- C-Type Conditioning Optional Feature

In addition, a Special Access Surcharge and charges for additional Optional Features and Functions may apply.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS SERVICE

5. Special Access Services

5.12 Special Access Services for Iowa Telecom Systems (Cont'd)

5.12.1 Provision of Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.2 Service Configurations (Cont'd)

(B) Multipoint Service

Multipoint service connects three or more customer premises through a Telephone Company hub (i.e., bridging locations). Only certain types of Special Access Service are provided as multipoint service. These are so designated in the Service Descriptions for the appropriate circuit. (T)

The circuit between hubs on a multipoint service is a mid-link. There is no limitation on the number of mid-links, but the use of more than three mid-links in tandem may degrade the quality of multi-point facilities.

Multipoint service utilizing a customized technical specifications package, as set forth in 5.12.1.3, will be provided when technically possible.

When ordering, the customer will specify the desired bridging hub(s). National Exchange Carrier Association Tariff FCC No. 5 identifies serving wire centers, hub locations and the type of bridging functions available.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS SERVICE

5. Special Access Services (Cont'd)

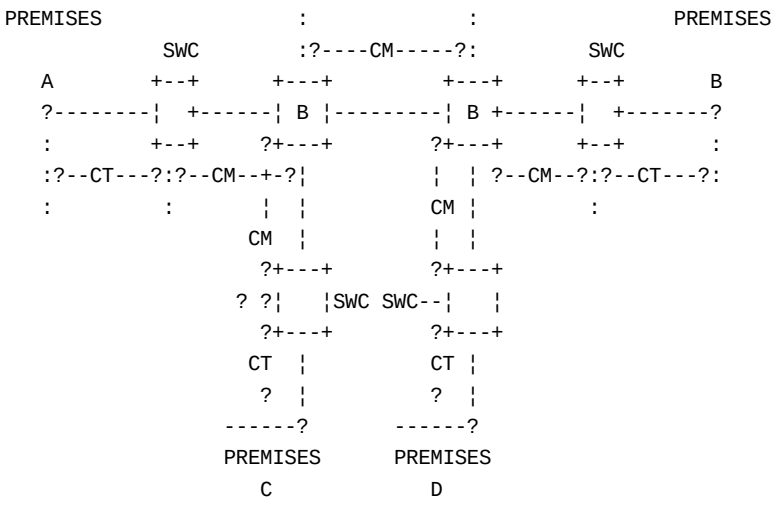
5.12 Special Access Services for Iowa Telecom Systems (Cont'd)

5.12.1 Provision of Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.1.2 Service Configurations (Cont'd)

Multipoint Service (Cont'd)

The following diagram depicts an example of a Voice Grade multipoint service connecting four customer premises via two customer specified bridging hubs.



CT - Circuit Termination
CM - Circuit Mileage
B - Bridging
SWC - Serving Wire Center

Applicable rate elements are:
- Circuit Termination (4 applicable)
- Circuit Mileage (5 sections-fixed rate plus rate per mile between SWC)
- Bridging Optional Features (6 applicable, i.e., each bridge port)

In addition, the Special Access Surcharge, Message Station Equipment Recovery Charge, and charges for other Optional Features and Functions may be applicable.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS SERVICE

5. Special Access Services (Cont'd)

5.12 Special Access Services for Iowa Telecom Systems

5.12.1 Provision of Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.1.3 Technical Specifications Packages

Information pertaining to the technical specifications packages indicates the transmission parameters that are available with each package. This information is included in each individual service description section in 5.12.3 through 5.12.10 following, in a matrix format with the transmission parameters listed down the left side and the packages listed across the top. Each package is identified by a code, e.g., VGC. The first two letters of the code indicate the category of Special Access Service to which the parameters are applicable. These two letter codes are shown above in parentheses following the category of Special Access Service.

The letter "C" following the two letter code indicates the technical specifications package for a customized service. A numeric or alpha-numeric designation following the two letter code indicates the specific predefined package. For a customized service, the customer may select any parameters available with that category of service as long as the parameters are compatible. When appropriate, the Technical Reference which contains detailed specifications for the parameters is shown following the matrix.

All services installed after the effective date of this tariff will conform to the transmission specification standards contained in this tariff or in the following Technical References for each category of service:

Metallic	PUB TR-NPL-000336
Telegraph Grade	PUB TR-NPL-000336
Voice Grade	PUB TR-NPL-000335
	PUB 41004, Table 4
Program Audio	PUB TR-NPL-000337
Video PUB	TR-NPL-000338
Wideband Analog	PUB TR-NPL-000339
Wideband Data	PUB TR-NPL-000340
Digital Data	PUB TR-NPL-000341
	PUB 62310
High Capacity	PUB TR-NPL-000342
	PUB 62411
	PUB TR-NPL-000054

The Telephone Company will maintain existing transmission specifications on services installed prior to the effective date of this tariff, except that existing services with performance specifications exceeding the standards listed in this provision will be maintained at the performance levels specified in this tariff.

Customized technical specifications packages will be provided where technically feasible. If the Telephone Company determines that the requested parameter specifications are not compatible, the customer will be advised and given the opportunity to change the order.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

5. Special Access Services (Cont'd)

5.12 Special Access Services for Iowa Telecom Systems

5.12.1 Provision of Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.1.4 Channel Interfaces

Channel interfaces at each point of termination on a two-point service may be symmetrical or asymmetrical. On a multipoint service they may also be symmetrical or asymmetrical, but communications can only be provided between compatible channel interfaces. Only certain channel interfaces are compatible. These are set forth in 9. following, in a combination format.

ONly certain channel interface combinations are available with the predefined technical specifications packages. These are delineated in the Technical References set forth in 7.1.3 preceding. When a customized circuit is requested, all channel interface combinations available with the specified type of service are available with the customized circuit.

5.12.1.5 Alternate Use

Alternate Use occurs when a service is arranged by the Telephone Company so that the customer can select difference types of transmission at different times. A customer may use a service in any privately beneficial manner. However, where technical or engineering changes are required to effectuate an alternate use, the Telephone Company will make such special arrangements available on an individual case basis.

The arrangement required to transfer the service from one operation to the other (i.e., the transfer relay and control leads) will be rated and provided on an individual case basis and filed in Section 12., Specialized Service or Arrangements. The customer will pay the stated tariff rates for the Access Service rate elements for the service ordered (i.e., Circuit Termination, Circuit Mileage (as applicable) and Optional Features and functions [if any].

5.12.1.6 Special Facilities Routing

A customer may request that the Special Access used be specially routed. The regulations, rates and charges for Special Facilities Routing are as set forth in Section 11. following.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS SERVICE

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.1 Provision of Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.1.7 Design Layout Report

At the customer's request, the Telephone Company will provide the make-up of the facilities and services provided under this tariff as Special Access Service to aid the customer in designing its overall service. The information will be provided to the customer at no charge in the form of a Design Layout Report and will be reissued or updated whenever the described facilities are materially changed.

5.12.1.8 Acceptance Testing

At the customer's request, the Telephone Company will cooperatively test, at the time of installation and at no additional charge, the following parameters:

(A) For Voice Grade analog services, acceptance testing will include tests for loss, 3-tone slope, DC continuity, operational signaling, C-notched noise, and C-message noise as applicable according to the order for service. Voice Grade services acceptance testing will also include a balance (improved loss) test if the customer has ordered that optional feature.

(B) For services other than Voice Grade, acceptance tests will include tests for the parameters applicable to the service as specified by the customer in the order for service.

In addition to the above tests, Additional Cooperative Acceptance Testing and Nonscheduled Testing, are available at the customer's request. All test results will be made available to the customer upon request.

* Inadvertently, with the July 18, 2001, tariff filing, the revision status on this page was not changed from "Original Page" to "First Revised Page." The filing of this page provides the correct revision status.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS SERVICE

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems

5.12.1 Provision of Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.1.9 Jurisdictional Determination

(A) Special Access circuits carrying exclusively interstate traffic will be provided in accordance with the applicable rules and regulations of this tariff.

When mixed interstate and intrastate Special Access Service is provided, the jurisdiction will be determined as follows:

(1) If the customer's estimate of the interstate traffic on the circuit involved constitutes 10% or less of the total traffic on that circuit, the circuit will be provided in accordance with the applicable rules and regulations of the appropriate intrastate tariff.

(2) If the customer's estimate of the interstate traffic on the circuit involved constitutes more than 10% of the total traffic on that circuit, the circuit will be provided in accordance with the applicable rules and regulations of this tariff.

(B) If a billing dispute arises or a regulatory commission questions the reported jurisdiction, the Telephone Company will ask the customer to provide the information the customer uses to determine the jurisdiction of the circuit. The customer shall supply the information within 30 days of the Telephone Company request. Such a request for date is not a (C)
condition precedent to and does not affect the Telephone Company's right (C)
to obtain the resolution of a billing dispute involving the customer's (C)
projected PIU. The customer shall keep records of system design and functions from which the jurisdiction of its special access circuits can be ascertained. Upon request of the Telephone Company the customer shall make the records available for inspection as reasonably necessary for purposes of verification of the reported jurisdiction.

(C) Customer certification of the jurisdiction of special access circuits is accomplished by indicating the jurisdiction of the circuit (interstate or intrastate) on the Access Service Request. Customer certification of the jurisdiction of special access circuits in place as of the effective date of these revisions shall be provided to the Telephone Company in the form of written correspondence indicating the jurisdiction of each special access circuit.

(This page filed under Transmittal No. 1)

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS SERVICE

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems

5.12.1 Provision of Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.1.9 Jurisdictional Determination (Cont'd)

(D) Customers reporting a change in the jurisdiction of special access circuits subject to individual case basis (ICB) rates and charges set forth in this tariff will not be subject to termination liability charges unless the change results in the termination of the service.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS SERVICE

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.2 Rate Categories, Applications and Regulations for Iowa Telecom Systems

This section contains the specific regulations governing the rates and charges that apply for Special Access in the Iowa Telecom Systems Service Group. (T)

5.12.2.1 Rate Categories

The following rate categories apply to Special Access Service:

- Circuit Terminations
- Circuit Mileage
- Optional Features and Functions
- Non Recurring Charges
- Special Access Surcharge
- Special Access Cross Connect
- Term Payment Plan (TPP) - DS1
- Optional Payment Plan (OPP) - Fractional T1

These rate categories are described in Sections 5.12.2.1.(A) through (H) following.

The following is the Company's Open Network Architecture (ONA) Special Access Basic Serving Arrangement which provides a cross-reference to the generic ONA product name.

Generic Name	Company Name
Dedicated Alert Transport	Alarm Signal Transport Service

The following is a list of The Telephone Company's Open Network Architecture (ONA) Special Access Basic Service Elements (BSEs) which provide a cross-reference to the generic ONA product names.

Generic Name	Company Name
Automatic Protection Switching	Automatic Loop Transfer
Bridging	Bridging
Conditioning	Conditioning
Multiplexing - Digital 2000	Multiplexing Arrangements

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS SERVICE

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems

5.12.2 Rate Categories, Applications and Regulations for Iowa Telecom Systems (Cont'd)

5.12.2.1 Rate Categories (Cont'd)

(A) Circuit Termination

The Circuit Termination rate category provides for the communications path between a customer premises and the serving wire center for that premises. Included as part of the Circuit Termination is a standard channel interface arrangement which defines the technical characteristics associated with the type of facilities to which the access service is to be connected at the Point of Termination (POT) and the type of signaling capability, if any. The signaling capability itself is provided as an optional feature as set forth in (C) following. One Circuit Termination charge applies per customer premises at which the circuit is terminated. This charge will apply even if the customer premises and the serving wire center are co-located in a Telephone Company building. Circuit Termination rates for DS3 High Capacity Services vary with the number of services and/or level of capacity as set forth in Section 5.12.2.6 following. (T) (T) (T)

(B) Circuit Mileage

The Circuit Mileage rate category provides for the end office equipment and transmission facilities between serving wire centers and/or Telephone Company hubs. In addition, when Special Access is used in conjunction with Switched Access Service as set forth in 6.3.2 preceding for Switched Access Interface Arrangements, and the end office serving the customer's end user premises is not a WATS Serving Office, Circuit Mileage is used to extend the Special Access Circuit to a WATS Serving Office. The Circuit Mileage charge is composed of a flat monthly charge plus a rate per mile.

For Fractional T1 Service, Circuit Mileage must be ordered as Fractional Circuit Mileage in the same grouping (N x 56 Kbps or N x 64 Kbps where N = 2, 4, or 6) as the associated FT1 Circuit Terminations.

(1) Fixed Rate

The fixed rate component of Circuit Mileage is applied only once per Circuit Mileage facility. When two or more customer premises are served by a common serving wire center (i.e., mileage is zero) the fixed rate component is not applied. Except when served by a common serving wire center, the Circuit Mileage-Fixed charge is applied in full whether the Telephone Company provides one or more than one circuit mileage facility terminations. The Circuit Mileage-Fixed rate does not apply when the Telephone Company provides only an intermediate portion of a circuit mileage facility and no circuit mileage facility terminations. When Special Access is used in conjunction with Switched Access where the customer's end user premises for the Special Access facility is served by a Telephone Company WATS Serving Office, the fixed rate does not apply. (T)

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems

5.12.2 Rate Categories, Applications, and Regulations for Iowa Telecom Systems (Cont'd)

5.12.2.1 Rate Categories (Cont'd)

(B) Circuit Mileage (Cont'd)

(2) Per Mile Rate

The mileage to be used to determine the monthly rate for the per mile portion of Circuit Mileage is calculated on the airline distance between the serving wire centers associated with two customer premises, between a serving wire center associated with a customer premises and a Telephone Company hub, between two Telephone Company hubs, or between a Telephone Company end office and a WATS serving office. The serving wire center associated with a customer premises is the serving wire center from which this customer premises would normally receive dial tone. The methodology for mileage calculation and serving wire center V&H coordinates are specified in National Exchange Carrier Association Tariff FCC. No. 4. Where the calculated miles include a fraction, the value is always rounded up the next full mile. (T)

When hubs are involved, mileage is computed and rates applied separately for each section of the Circuit Mileage, i.e., customer premises serving wire center to hub, hub to hub and/or hub to customer premises serving wire center. However, when any service is routed through a hub for purposes other than customer specified bridging or multiplexing (e.g., the Telephone Company chooses to so route for test access purposes), rates will be applied only to the distance calculated between the serving wire centers associated with the customer premises. (T)

When more than one Telephone Company is involved in the provision of Special Access Service, the mileage for the per mile component of Circuit Mileage for each Telephone Company is calculated as set forth in 2.7 preceding.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS SERVICE

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems

5.12.2 Rate Categories, Applications, and Regulations for Iowa Telecom Systems (Cont'd)

5.12.2.1 Rate Categories (Cont'd)

(C) Optional Features and Functions

Optional Features and Functions may be added to a basic circuit service to improve its quality or utility to meet the customer's specific communications requirements. These optional features and functions are identifiable with specific equipment, and represent the end result in terms of performance characteristics which may be obtained. These characteristics may be obtained by using various combinations of equipment. Although the equipment necessary to perform a specified function may be installed at various locations along the path of the service, they will be charged for a single rate element.

Descriptions for each of the available Optional Features and functions are set forth in Sections 5.12.3 through 5.12.11 following. Specific rate applications for multiplexing are set forth in 5.12.2.5 following.

Nonrecurring Charge

(D) Nonrecurring charges are one-time charges that apply for installation of Special Access Services, installation of optional features and functions, and moves and service rearrangements.

Installation of Service

(1) Nonrecurring charges apply to each service installed. The nonrecurring charges for the installation of service are applied per Circuit Termination.

Two levels of charges apply for the installation of a three or twelve capacity DS3 High Capacity system as set forth in Section 5.12.2.6(A) following. A nonrecurring charge applies for the first Circuit Termination ordered by the customer and a separate nonrecurring charge will apply to each additional Circuit Termination to be installed within the same three or twelve capacity system between the same customer locations. For individual noncapacity DS3 service, the nonrecurring charge for each installation will apply at the same rate per DS3 Circuit Termination.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS SERVICE

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems

5.12.2 Rate Categories, Applications, and Regulations for Iowa Telecom Systems (Cont'd)

5.12.2.1 Rate Categories (Cont'd)

Nonrecurring Charge (Cont'd)

(D)

Installation of Service (Cont'd)

Customers subscribing to the Fractional T1 OPP arrangements, at rates set forth in 5.12.11.5(A), will not be assessed a nonrecurring charge.

The Regulations in Section 5.12.2.1(0)(2) will apply to FT1 OPP customers when required for charges and other service rearrangements.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS SERVICE

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.2 Rate Categories, Applications, and Regulations for Iowa Telecom Systems

5.12.2.1 Rate Categories (Cont'd)

(D) Nonrecurring Charge (Cont'd)

(2) Installation of Optional Features and Functions

Nonrecurring charges apply for the installation of some of the optional features and functions available with Special Access Service. The charge applies whether the feature or function is installed coincident with the initial installation of service or at any time subsequent to the installation of the service.

The optional features for which non-recurring charges apply are:

- Voice Grade Data Capability
- Voice Grade Telephoto Capability
- Program Audio Gain Conditioning
- Program Audio Stereo
- Wideband Data Transfer Arrangement

(3) Service Rearrangements

Service rearrangements are changes to existing (installed) services which may be administrative only in nature, or that involve actual physical change to the service. Changes to pending orders are set forth in 3.2.2 preceding.

Changes in the type of service will be treated as a discontinuance of the service and an installation of a new service.

Changes in the physical location of the point of termination are treated as moves which are described and charged for as in 5.12.2.1(D)(4).

Administrative changes will be made without charge(s) to the customer.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems

5.12.2 Rate Categories, Applications, and Regulations for Iowa Telecom Systems (Cont'd)
Rate Categories (Cont'd)

5.12.2.1
Nonrecurring Charge (Cont'd)

(D)
Service Rearrangements (Cont'd)

(3)
(Cont'd)

(a)
Administrative changes are as follows:

- Change in name or ownership or transfer of responsibility from one customer to another, provided there is no interruption of use or relocation of Special Access service.

- Change of customer or customer's end user premises address when the change of address is not a result of a physical relocation of equipment,

- Change in billing data (name, address, or contact name or telephone number),

- Change of customer circuit identification,

- Change of billing account number,

- Change of customer test line number,

- Change of customer or customer's end user contact name or telephone number,

- Change of agency authorization, and

- Change in jurisdiction involving no physical changes to the service.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

ACCESS SERVICE

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems

5.12.2 Rate Categories, Applications, and Regulations for Iowa Telecom Systems (Cont'd)
Rate Categories (Cont'd)

5.12.2.1
Nonrecurring Charge (Cont'd)

(D)
Service Rearrangements (Cont'd)

(3)
All other service rearrangements will be charged for as follows:

(b)

- If the change involves the addition of another termination to an existing two-point or multipoint service, installation charges for each location added will apply.

- If the change involves the addition of an optional feature or multiplexing arrangement, the installation charge associated with the optional feature or multiplexing arrangement will apply. When the optional feature or arrangement has no associated nonrecurring charge (or rated at $.00), one circuit termination nonrecurring charge for the type of service involved (i.e., voicegrade circuit termination, DDS circuit termination, etc.) will be applied to the order.

- If the change involves only changing the type of network interface, with no change in facility, the installation charge associated with each service receiving a network interface change will apply.

- If the change involves changing a two-wire service to a four-wire service or vice versa, the installation charge for each location changed will apply.

- If the change involves only rollovers or grooming, then no charges will apply. A rollover is the retermination of a segment of a lower capacity special access service onto a higher capacity special access service. The rollover must occur in the wire center where the higher capacity service is multiplexed with no other changes to the lower capacity service being reterminated (i.e., the segment must not require rerouting to connect to the multiplexer of the higher capacity service).

- Grooming is the retermination of a lower capacity special access service from one channel in a higher capacity special access service to another channel in the same higher capacity service or to another channel in another higher capacity special access service (i.e., change in connecting facility assignment) in the same wire center, with no other changes to the lower capacity service.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

ACCESS SERVICE

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

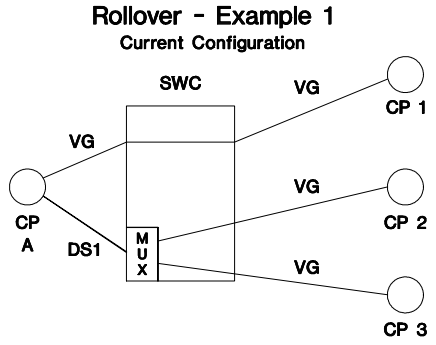
5.12.2 Rate Categories, Applications, and Regulations for Iowa Telecom Systems (Cont'd)

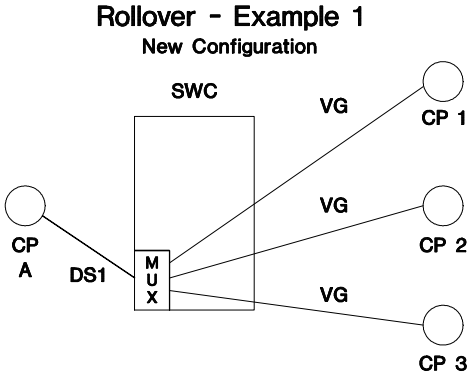
5.12.2.1 Rate Categories (Cont'd)

(D) Nonrecurring Charge (Cont'd)

(3) Service Rearrangements (Cont'd)

The customer requests that the voiceband circuit (VG) between customer premises A and customer premises 1 be "rolled over" to the DS1 serving customer premises A. No NRCs apply for this request.





CP = Customer Premises

(This page filed under Transmittal No. 1)

FACILITIES FOR INTERSTATE ACCESS SERVICE

5. Special Access Service (Cont'd)

5.12 Special Access Service (Cont'd) for Iowa Telecom Systems

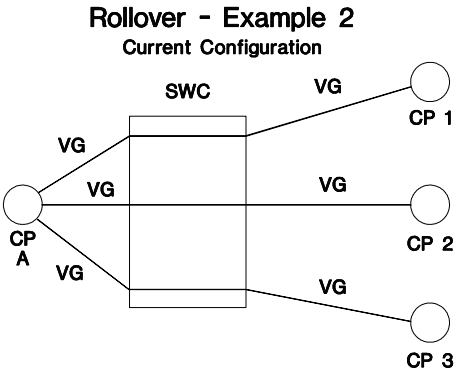
5.12.2 Rate Categories, Applications, and Regulations for Iowa Telecom Systems (Cont'd)

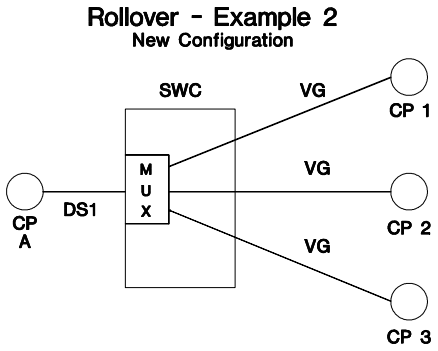
5.12.2.1 Rate Categories (Cont'd)

(D) Nonrecurring Charge (Cont'd)

(3) Service Rearrangements (Cont'd)

The customer requests the installation of a DS1 between the serving wire center (SWC) and customer premises A and a DS1/voice multiplexer in the SWC. The customer also requests that the voiceband circuits serving customer premises 1, 2,and 3 be "rolled over" to the new DS1. All NRCs apply for the installation of the DS1 and multiplexer. No NRCs apply for the voiceband roll overs to the new high capacity circuit.





CP = Customer Premises

(This page filed under Transmittal No. 1)

FACILITIES FOR INTERSTATE ACCESS SERVICE

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.2 Rate Categories, Applications, and Regulations for Iowa Telecom Systems (Cont'd)

Rate Categories (Cont'd)

5.12.2.1

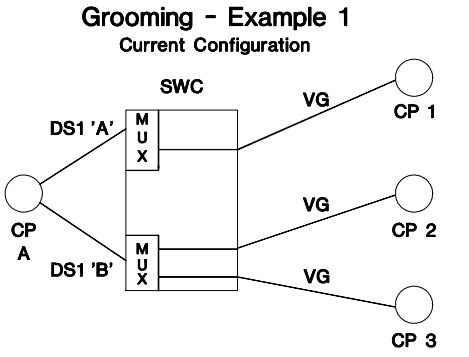
Nonrecurring Charge (Cont'd)

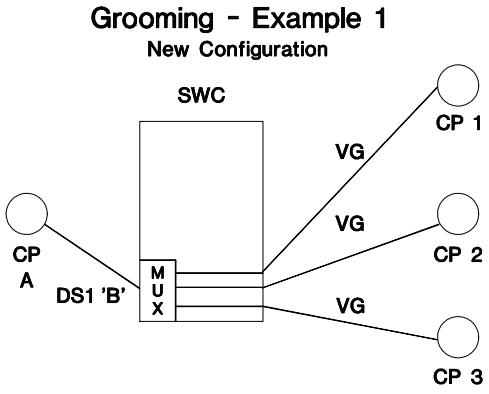
(D)

Service Rearrangements (Cont'd)

(3)

The customer requests that the voiceband (VG) circuit serving customer premises 1 be moved from the DS1 "A" circuit to the DS1 "B" circuit. No NRCs apply for this request.





CP = Customer Premises

(This page filed under Transmittal No. 1)

5. Special Access SErvice (cont'd)

5.12 Special Access Service (Cont'd)

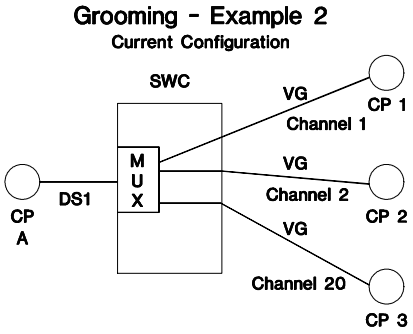
5.12.2 Rate Categories, Applications, and Regulations (Cont'd)

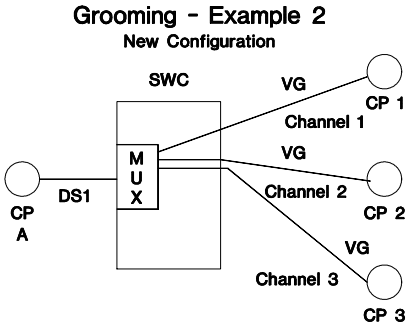
5.12.2.1 Rate Categories (Cont'd)

(D) Nonrecurring Charge (Cont'd)

(3) Service Rearrangements (Cont'd)

The customer requests that the voiceband circuit serving customer premises 3 be moved from channel 20 in the DS1 serving customer premises A to Channel 3 in the same DS1. No NRCs apply for this request.





CP = Customer Premises

- If the change involves reterminations other than Rollovers and/or Grooming, all NRCs associated with the installation of the lower capacity service will apply.

- In cases where multiple service rearrangements or an additional termination or a move and a service rearrangement are requested on a single ASR, the total charge will never exceed the full nonrecurring charge for the basic service.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS SERVICE

5. Special Access Service (Cont'd)

Special Access Service for Iowa Telecom Systems (Cont'd)

Rate Categories, Applications, and Regulations for Iowa Telecom Systems (Cont'd)

5.12 Rate Categories (Cont'd)

5.12.2.1 Nonrecurring Charge (Cont'd)

(D) Moves

(4) A move involves a change in the physical location of the point of termination of Special Access. A move normally involves an interruption of Special Access for the period required to complete the move. No credit allowance will be granted for that period. Special construction may also be applicable at the different customer premises.

A customer may request that Special Access not be interrupted during a move. To comply with that request, it may be necessary to install a duplicate Special Access, and subsequently discontinue the existing Special Access. Charges, monthly and nonrecurring, will apply for the duplicate Special Access. A new minimum period will be established for the duplicate portion of the Special Access, depending on which end of the Special Access is moved. The customer will remain responsible for all minimum period charges associated with the corresponding portion of the disconnected Special Access.

The charge for the move depends on whether the move is within the same customer premises or to a different customer premises.

(A) (T)

Same CL

When the move of a termination, as defined in Section 2.1.5, for special access is to a new point within the same customer premises (same address and/or same building), the charge for the move will be the installation charge for the portion of the service being reterminated. There will be no change in the minimum period requirements. For services subject to payment plan regulations, the same payment period will remain in force.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS SERVICE

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.2 Rate Categories, Applications, and Regulations for Iowa Telecom Systems (Cont'd)

5.12.2.1 Rate Categories (Cont'd)

(E) Surcharge for Special Access Service

(1) General

Special Access Services provided under this tariff may be subject to the monthly Special Access Surcharge.

(2) Application

The Special Access Surcharge will apply to each interstate Special Access Service that terminates on an end user's PBX or other device where, through a function of the device, the Special Access Service interconnects to the local exchange network. The Surcharge will apply irrespective of whether the interconnection function is performed in equipment located at the customer's premises or in a Centrex CO-type switch.

The monthly Special Access Surcharge applies to special access facilities on a per voice equivalent basis as shown in the following example:

Special Access Facility for Iowa Iowa Telecom Systems	Voice Grade Equivalent		Surcharge		Monthly Charge
Group	12	x	$25	=	$300.00
DS1	24	x	$25	=	$600.00

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS SERVICE

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems

5.12.2 Rate Categories, Applications, and Regulations for Iowa Telecom Systems (Cont'd)

5.12.2.1 Rate Categories (Cont'd)

(E) Surcharge for Special Access Service (Cont'd)

(2) Application (Cont'd)

In the case of multipoint special access facilities, one Special Access Surcharge will apply for each termination of a special access circuit at an end user's premises.

The Telephone Company will bill the customer who orders the special access facility the Special Access Surcharge per installation unless the facility is exempt from the surcharge as set forth in (3) following.

(3) Exemption

The special access facility will be exempted from the monthly surcharge upon receipt of the customer's written certification for the following Special Access Service terminations:

1) an open-end termination in a Telephone Company switch of an FX line, including CCSA and CCSA-equivalent ONALs; or
2) an analog circuit termination that is used for radio or television program transmission; or
3) a termination used for TELEX service; or
4) a termination that by the nature of its operating characteristics could not make use of Telephone Company common lines such as terminations which are restricted through hardware or software; or
5) a termination that interconnects either directly or indirectly to the local exchange network where the usage is subject to Carrier Common Line charges, such as where the special access facility accesses only FGA and no local exchange lines, or special access facility between customer points of termination, or special access facility connecting CCSA or CCSA-type equipment (inter-machine trunks); or
6) a termination that the customer certifies to the Telephone Company is not connected to a PBX or other device capable of interconnecting the special access facility to a local exchange subscriber line.

Written certification for exemption must include the reason the service is exempted from the surcharge using the categories of exemption as stated above. An ASR may be used for exemption certification, provided all information as required by this section is included. The Telephone Company will bill the surcharge to all customers who have not provided valid exemption certification.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS SERVICE

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems

5.12.2 Rate Categories, Applications, and Regulations (Cont'd)

5.12.2.1 Rate Categories (Cont'd)

(E) Surcharge for Special Access Service (Cont'd)

(3) Exemption (Cont'd)

The Telephone Company will cease billing the Special Access Surcharge when certification that the Special Access facility has become exempt from the surcharge, as set forth preceding, is received. If the status of the special access facility was changed prior to the receipt of the exemption certification, the Telephone Company will credit the customer's account, not to exceed ninety days, based on the effective date of the change specified by the customer in the letter of certification.

(4) Rate

USOC	Monthly Rate	
Surcharge for Special Access Service		
- Applicable in Iowa Telecom Systems Service Group		(T)
- Per Voice Grade Equivalent	$25.00	

(F) (Reserved for Future Use).

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS SERVICE

5. Special Access Service (Cont'd)

5.12 Rate Categories, Applications and Regulations for Iowa Telecom Systems

5.12.2 Rate Categories

5.12.2.1 DS1 Term Payment Plan (TPP)

(G) Description

(1) The DS1 Term Payment Plan (TPP) allows customers term discounts for DS1 circuit termination. A customer may select this service for either a single state or multi-state level. TPP is offered for a 1, 2, 3, or 5 year service commitment period for the DS1 circuit termination. All TPP DS1 circuit terminations will be billed the same rate, depending on the length of the term selected by the customer.

(2) Rate Changes

Decreases in the TPP monthly recurring circuit termination rates will be passed on to subscribers of the plan.

(3) Commitment Levels

To initiate a TPP, the minimum commitment is 25 circuit terminations. The commitment levels will be met if the customer has the minimum number of DS1 TPP circuit terminations in service. If the customer has committed to more than the minimum number of circuit terminations required, as shown above, an allowance of minus 2% or plus 5 % will be considered as having met the commitment level.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS SERVICE

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.2 Rate Categories, Applications and Regulations for Iowa Telecom Systems (Cont'd)

(G) Rate Categories (Cont'd)

(4) DS1 Term Payment Plan (TPP) (Cont'd)

Changes to Commitment Levels

Written notice must be submitted by the customer to change the commitment level of DS1 circuit terminations. If, as the result of increasing or decreasing the commitment level, service is changed from a TPP to a DS1 standard arrangement, or from a standard arrangement to a TPP arrangement an ASR will be required within 30 days for all services changed. Only one TPP arrangement will be allowed per customer for each term period. Penalties for decreasing the commitment level are discussed in 5.12.2.1(G)(8).

(5) TPP Plan Enrollment

When the customer elects to enroll in a TPP they must specify, in writing, the enrollment date (which will be the anniversary date) and the commitment level. The specified enrollment date must be within 30 days of receipt. By the specified date the customer must issue ASRs to add DS1 circuit terminations to the TPP and/or convert standard arrangement to the TPP to fall within the commitment range specified in 5.12.2.1(G)(3).

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS SERVICE

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.1 Rate Categories, Applications and Regulations for Iowa

(G) Rate Categories

(6) DS1 Term Payment Plan (TPP)

Annual Review

Each customer's TPP will be reviewed annually. The customer will be notified in writing as to the status of the TPP. This notification will inform the customer of any TPP DS1 circuit terminations that must be converted. If the customer has increased the number of DS1 circuit terminations from the initial commitment beyond the range specified in 5.12.2.1(G)(3), he will have the option of increasing the commitment level for the remainder of the plan. If the customer chooses not to increase the commitment level of DS1 circuit terminations for the remaining year(s) of the plan, he must convert the increased number of DS1 circuit terminations to the standard payment plan. The DS1 circuit terminations that are converted to the standard payment plan will not be eligible for reconversion to the TPP for a ten month period. The customer may decrease the commitment level at the time of the annual review and pay the applicable penalties for the amount of DS1 circuit terminations being decreased. The customer will have 30 days from receipt of this notification to convert DS1 circuit terminations.

If the customer does not take action during the 30 day period, the commitment level will be automatically changed to the number of TPP DS1 circuit terminations in effect at the anniversary date. Penalties will apply as set forth in 5.12.2.1(G)(8).

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS SERVICE

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.2 Rate Categories, Applications and Regulations for Iowa Telecom Systems (Cont'd

5.12.2.1 Rate Categories (Cont'd)

(G) DS1 Term Payment Plan (TPP) (Cont'd)

(7) TPP Conditions

If a DS1 service has two DS1 circuit terminations, to include this service as part of a TPP, both DS1 circuit terminations must be in the TPP.

After enrolling in the plan, the customer may add or delete DS1 circuit terminations rated at the specified term period rate at any time during the plan. For example, if the customer agrees to a 2 year TPP, they may add DS1 circuit terminations at any time at the 2 year TPP rate.

A customer may subscribe to only one plan for each term period.

(8) Penalties for Failing To Meet Commitment

When the number of TPP Services at the annual review is less than the acceptable commitment range, the following penalty charges will apply, based on the difference between the commitment level less 2% and the number of TPP services in effect at the annual review. For example, if the commitment level is 100 and the customer has 90 DS1 TPP circuit terminations at time of annual review, the penalties described below will be applied to the difference of 98 (2% less than 100) and 90, which would be 8 in this example.

The penalties charged during the first year of the TPP will be the full MRC for 4 months plus 10% of the MRC for the remaining number of months.

(a) The penalties charged during the subsequent years of the TPP will be 10% of the MRC for 4 months plus 10% of the MRC for the remaining number of months.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS SERVICE

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.2 Rate Categories, Applications and Regulations for Iowa Telecom Systems (Cont'd)

5.12.2.1 Rate Categories (Cont'd)

(G) DS1 Term Payment Plan (TPP) (Cont'd)

(9) TPP Nonrecurring Charge

Customers subscribing to a TPP will be assessed a nonrecurring charge per circuit termination except in the following conditions:

- when converting standard arrangement circuit terminations to a TPP.

(10) Changes in Length of a TPP Period

Prior to the expiration of a TPP period, the customer may elect to convert to a new TPP period of the same or different length, subject to the following conditions:

- no credit will be given for the new payment period for payments made under the original TPP arrangement

- NRCs will not be reapplied for existing service(s)

- if the new TPP period is shorter in length than the time remaining under the existing TPP, the change to the new TPP period constitutes a disconnect of the existing TPP service and termination liability charges will apply

- the rates for the new period will be the rates currently in effect at the time of the change.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS SERVICE

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.2.1 Rate Categories, Applications and Regulations for Iowa Telecom Systems (Cont'd)

(G) Rate Categories (Cont'd)

(11) DS1 Term Payment Plan (TPP) (Cont'd)

Renewal Options

At the expiration of a TPP period, the customer may select a new TPP period or convert to a month to month payment plan. If the customer fails to make this selection, the Telephone Company will notify the customer and continue one additional month of TPP billing. If the customer does not select a new payment plan within 30 days from the expiration date, billing will automatically convert to the DS1 month to month payment plan.

At the expiration of the TPP period, if the customer renews at the DS1 quantity in service at the end of his previous TPP, or a greater quantity, and makes no change in the selected states, then any penalties that may need to be assessed at the first anniversary of the renewal period will be assessed as set forth in 5.12.2.1(g)(8)(b). The rates for the renewal period will be the rates in effect at the time of the renewal.

(12) Upgrade to Higher Speed Service

The customer may upgrade service to a higher speed during a TPP period. The upgraded service will be subject to all appropriate NRCs.

If both of the following conditions exist, the commitment level will be decreased by the number of TPP DS1 circuit terminations that are upgraded to a higher speed service.

- The customer must notify the Company in writing in addition to the ASR.

- The higher speed service period must be longer in length than the time remaining under the TPP.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS SERVICE

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.2 Rate Categories, Applications and Regulations

5.12.2.1 Rate Categories (Cont'd)

(H) Optional Payment Plan (OPP)

(1) General

(a) The terms and conditions specified herein are applicable to Fractional T1 Service (FT1).

(b) Only the Circuit Termination rate element is available under an OPP. All other associated rate elements or additional features are available at the minimum month-to-month tariffed rates and regulations.

(c) FT1 Circuit Termination rates will not be greater than minimum month-to-month tariffed rates and regulations.

(d) Three year and five year OPP rates will be equal to or less than the one year OPP rates. Decreases to the one year OPP will flow through to the three year and five year OPP.

(e) Payment periods of one year, three year, and five year are available to all customers at the applicable rates set forth in 5.12.11.5(A) regardless of when they subscribe to an OPP arrangement.

(f) The customer must designate on the ASR the payment period for the OPP.

(g) Inside moves, provided in accordance with 5.12.2.1(D)(4), will not incur termination liability charges.

(h) Outside moves, provided in accordance with 5.12.2.1(D)(4)(B), will allow the customer to retain the same OPP payment period. Any other move will be treated as a disconnect of the service and termination liability charges will apply.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS SERVICE

5. Special Access Service (Cont'd)

5.12 Special Access Service For Iowa Telecom Systems (Cont'd)

5.12.2 Rate Categories, Applications and Regulations (Cont'd)

5.12.2.1 Rate Categories (Cont'd)

(H) Optional Payment Plan (OPP)

(2) Changes in Length of OPP Period

Prior to the completion of the selected OPP period, the customer may elect to convert to a new OPP period of the same or different length, subject to the following conditions:

- No credit toward the new payment period will be given for payments made under the original OPP arrangement.
- Nonrecurring charges will not be reapplied for existing service(s).
- If the new OPP period is shorter in length than the time remaining under the existing OPP, the change to the new OPP period constitutes a new disconnect of the existing OPP service and termination liability charges apply.

(3) Renewal Options

(a) At the expiration of an OPP period, the Telephone Company will automatically renew the service at the same OPP period unless the customer chooses to convert to a different OPP period, convert to month-to-month rates or discontinue service.

(b) Conversion to a different OPP period will require the customer to submit a change order ASR. conversion to a different OPP period will be allowed without application of any nonrecurring or ordering charges.

(c) Conversion to month-to-month rates will be treated as a disconnect of service and establishment of new service. If no other changes are ordered, no NRCs will apply.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS SERVICE

5. Special Access Service (Cont'd)

5.12 Special Access Service (Cont'd)

5.12.2 Rate Categories, Applications and Regulations (Cont'd)

(H) Rate Categories (Cont'd)

(4) Optional Payment Plan (OPP) (Cont'd)

Notification of Discontinuance

An ASR for discontinuance of an OPP arrangement must be received by the Telephone Company at least thirty (30) days prior to actual disconnect of service. Monthly charges will apply for a period of thirty (30) days from the date the Telephone Company received disconnect notification or until the requested disconnect date, whichever period is longer.

(5) Upgrade to Higher Speed Service

Customers may elect to upgrade service to a higher speed during an OPP period, subject to the following conditions:

- The upgraded service will be subject to all appropriate nonrecurring charges.

- Termination liability charges will not apply as long as the upgraded service remains connected at the same point of termination(s) or meets the requirements set forth in 5.12.2.1(D)(B)(2).

- If the upgrade involves establishing a multiplexing arrangement, termination liability charges will not apply if the hub wire center is the same one associated with the customer location. (T)

(This page filed under Transmittal No. 11)

FACILITIES FOR INTERSTATE ACCESS SERVICE

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.2 Rate Categories, Applications and Regulations for Iowa Telecom Systems (Cont'd)

5.12.2.1 Rate Categories (Cont'd)

(H) Optional Payment Plan (OPP) (Cont'd)

(6) Termination Liability

When an OPP service is discontinued prior to the end of the period, termination liability charges, as set forth below, will apply based on the remainder of the OPP period in effect at the time of disconnect.

One Year OPP - 50% of any remaining portion of the first year's recurring charges.

Three Year OPP - 50% of any remaining portion of the first year's recurring charges. In addition, for any remaining portion of the second and third years, the customer will be liable for 10% of the total monthly recurring charges in that time period.

Five Year OPP - 50% of any remaining portion of the first year's recurring charges. In addition, for any remaining portion of the second through fifth years, the customer will be liable for 20% of the total monthly recurring charges in that time period.

(7) Termination Without Liability

During an OPP period, should the currently effective rate for a customer's service increase, the customer may, at their option, terminate the OPP arrangement without penalty or liability.

A customer may change the number of channels of an N x 56 Kbps or N x 64 Kbps service to another higher value of N (where N = 2, 4, or 6), subject to the following rate applications:

- The changes service will be subject to all appropriate nonrecurring charges.
- Termination liability charges will no apply as long as the changed service remains connected at the same point of termination(s) or meets the requirements of 5.12.2.1(D)(4)(B)(2).
- If the change involves establishing a multiplexing arrangement, termination liability charges will not apply if the hub wire center is the same one associated with the customer location. (T)

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS SERVICE

5. Special Access Service (Cont'd)

5.12 Rate Categories, Applications, and Regulations (Cont'd)

Minimum Periods

5.12.2

5.12.2.2 The minimum service period for all services except part-time and occasional Video and Program Audio services and High Capacity DS3 services is one month. The minimum service period for part-time Video and Program Audio Services is one day even though the service will be provided only for the duration of the event specified on the order (e.g., one-half hour, two hours, five hours, etc.). The minimum period for High Capacity DS3 Service is that period requested by the customer as set forth in Section 5.2.6 (B) following.

5.12.2.3 Application of Daily and Monthly Rates

(A) Daily Rates

Daily rates are recurring rates that apply to each 24 hour period or fraction thereof that a Video or Program Audio Special Access Service provided for part-time or occasional use. For purposes of applying daily rates, the 24 hour period is not limited to a calendar day.

Part-time Program Audio or Video Service ordered on one Access Service Request and provided within a consecutive 30 day period will be charged the daily rate, not to exceed an amount equal to the monthly rate. For each subsequent day or part day, a charge equal to 1/30th of the monthly rate shall apply.

(B) Monthly Rates

Monthly rates are flat recurring rates that apply each month or fraction thereof that a Special Access Service is provided. For billing purposes, each month is considered to have 30 days.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS SERVICE

5. Special Access Service (Cont'd)

5.12 Special Access Service (Cont'd)

5.12.2 Rate Categories, Applications, and Regulations (Cont'd)

5.12.2.4 Facility Hubs and Multiplexing

A customer has the option of ordering Voice Grade facilities or High Capacity facilities (i.e., Group, Supergroup, Mastergroup, DS1, DS1C, DS2, DS3 or DS4) to a facility hub for multiplexing to individual services of a lower capacity or bandwidth (e.g., Telegraph, Voice, Program Audio, etc.). Additionally, the customer may specify optional features for the individual circuits derived from the facility to further tailor the circuit to meet specific communications requirements.

Some of the types of multiplexing available include the following:

- from higher to lower bit rate
- from higher to lower bandwidth
- from digital to voice frequency circuits

A hub is a Telephone Company designated wire center at which multiplexing functions are performed.

Different locations may be designated as hubs for different facility capacities, e.g., multiplexing from digital to digital may occur at one location while multiplexing from digital to analog may occur at a different location. When placing an Access Service Request the customer will specify the desired hub. The National Exchange Carrier Association Tariff FCC No. 4 identifies serving wire centers, hub locations and the type of multiplexing functions available.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.2 Rate Categories, Applications, and Regulations for Iowa Telecom Systems (Cont'd)

5.12.2.4 Facility Hubs and Multiplexing (Cont'd)

Point to point services may be provided on circuits of these facilities to a hub. The transmission performance for the point to point service provided between the customer premises will be that of the lower capacity or bit rate. (T)

The Telephone Company will commence billing the monthly rate for the facility to the hub on the date specified by the customer on the Access Service Request. The customer will be billed for a High Capacity or Voice Grade Circuit Termination, Circuit Mileage, Special Access Cross Connect and the multiplexer for the service at the time the facility is installed. Individual services utilizing these facilities may be installed coincident with the installation of the facility to the hub or may be ordered and/or installed at a later date, at the option of the customer. Individual service rates (by service type) will apply for a Circuit Termination and additional Circuit Mileage (as required) for each channelized service. These will be billed to the customer as each individual service is installed.

Cascading multiplexing occurs when a high capacity circuit is de-multiplexed to provide circuits with a lesser capacity and one of the lesser capacity circuits is further demultiplexed. When cascading multiplexing is performed, whether in the same or a different hub, a charge for the additional multiplexing unit also applies. When cascading multiplexing is performed at different hubbing locations, Circuit Mileage charges also apply between the hubs.

Although not requiring multiplexing, the Telephone Company will designate certain hubs for Video and Program Audio Services. Full-time service will be provided between a customer premises and a hub and billed accordingly at the monthly rates set forth in 5.12.6.5 and 5.12.7.4 for a Circuit Termination, and Circuit Mileage and Optional Features and Functions as applicable. The customer may order part-time and occasional Program Audio or Video services as needed between the hub and a second customer premises. The rate elements required to provide the part-time or occasional service (i.e., Circuit Termination, and Circuit Mileage and Optional Features as applicable) will be billed at daily rates for the duration of the service requested. (T) (T)

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS SERVICE

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.2 Rate Categories, Applications, and Regulations for Iowa Telecom Systems (Cont'd)

5.12.2.5 Shared Use Analog and Digital High Capacity Services

Monthly charges for a DS1 or DS3 high capacity shared used facility will be apportioned between Switched and Special Access based on the relative proportion of channels used for Switched and Special Access in the following manner.

If the facility is ordered as Special Access, rating as Special Access will continue until such time as a portion of the available capacity is used to provide Switched Access Service. As individual channels are activated for Switched Access, monthly charges will be apportioned between Switched and Special Access based on the number of channels used for Switched Access and the number of remaining channels on the Special Access facility according to the following formula: 1) the total shared use charge is equal to the Monthly Switched Access Charge times the number of channels used for Switched Access divided by 24 for DS1 or 672 for DS3 plus the monthly Special Access Charge times the number of channels remaining for Special Access divided by 24 for DS1 or 672 for DS3.

If the facility is ordered as Switched Access, rating as Switched Access will continue until such time as a portion of the available capacity is used to provide Special Access service. As individual channels are activated for Special Access, monthly charges will be apportioned between Switched and Special Access based on the number of channels used for Special Access and the number of remaining channels on the Switched Access Facility according to the following formula: 1) the total shared use charge is equal to the Monthly Special Access Charge times the number of channels used for Special Access divided by 24 for DS1 or 672 for DS3 plus the monthly Switched Access Charge times the number of channels remaining for Switched Access divided by 24 for DS1 or 672 for DS3.

The monthly switched and special access rate used will be the appropriate rate (Special Access Circuit Termination, Circuit Mileage-Fixed and Per Mile, and/or Multiplexer rates, and Switched Access Entrance Facility, Direct-Trunked Transport and/or Multiplexer rates) for the underlying shared use facility, e.g., if the underlying facility is a special access DS3 service, the corresponding Switched Access DS3 Transport will be used to determine the Switched Access monthly charges.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS SERVICE

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.2 Rate Categories, Applications, and Regulations for Iowa Telecom Systems (Cont'd)

5.12.2.6 DS3 High Capacity

(A) DS3 (44.736 Mbps) High Capacity is provided on a protected basis, at three levels of capacity as follows:

1 DS3 individual noncapacity system
3 DS3 capacity system
12 DS3 capacity system

Within each three or twelve capacity system, a customer may order individual and/or multiple DS3 Circuit Terminations up to the maximum number of individual channels available within each system. A customer may order the same or different level of DS3 capacity systems for the customer locations at which two-point DS3 service is terminated. DS3 service is provided with an electrical interface unless otherwise specified by the customer.

Rates are applied dependent on the DS3 system ordered by the customer (one, three or twelve). A separate Circuit Termination rate applies for the first DS3 in a three or twelve capacity system and for each additional Circuit Termination in the three capacity system (maximum of two) and in the twelve capacity system (maximum of eleven) ordered by the same customer between the same locations. The appropriate Nonrecurring Charge will apply for each Circuit Termination installed and each additional Circuit Termination in a three and twelve capacity system. DS3 Circuit Terminations ordered as an individual noncapacity system will be charged at the same rate regardless of the quantity of DS3 services ordered. Special Access Circuit Mileage elements, Fixed and Per Mile, apply in accordance with Section 5.12.2.1(B). Circuit Mileage rates do not vary with capacity and are the same for all minimum service periods.

(B) Minimum Service Periods

DS3 service is offered under four minimum service periods, each with different rate levels. The minimum service periods are 1, 3, 5 and 7 years. The customer must specify the minimum service period at the time the service is ordered. Each DS3 service within a three/twelve capacity system can have a different minimum service period. Each DS3 Circuit Termination of a two-point DS3 service must have the same minimum service period.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.2 Rate Categories, Applications, and Regulations (Cont'd)

5.12.2.6 DS3 High Capacity (Cont'd)

(B) Minimum Service Periods (Cont'd)

The customer may select a longer minimum service period at any time, without penalty or application of nonrecurring charges, to obtain the lower recurring rates associated with a longer minimum service period. When the customer selects this option, the customer will receive full credit for the amount of time the service was provided under the shorter minimum service period. For example, if a customer, who initially ordered DS3 service under a one-year minimum service period, after six months decides to select the three year minimum service period, the customer will have a remaining obligation period of 30 months. The new recurring charges will apply subsequent to the effective date of the new minimum service period.

(C) Expiration of Minimum Service Periods

At the expiration of a service commitment period, the customer may select a new DS3 commitment period. If the customer does not select a new minimum service period within 60 days from the expiration date, billing will remain at the current service period and a new DS3 service period will begin based on the previously effective service period. All terms and conditions, including subsequent Termination Liabilities will apply to the new DS3 Period.

Customers with expired service periods for the Individual System. Three System and Unlimited System DS3s, prior to the effective date of this tariff offering will have up to 180 days to select a new commitment service period. If the customer does not select a new service period within 180 days of the effective date of this tariff, billing will remain at the current service period and a new DS3 minimum service period will begin based on the last service period. The beginning date of the new service period will be the date immediately following the expiration date of the expired service period. This does not apply to the grandfathered DS3 Group System service offerings.

(D) Discontinuance Without Liability - DS3 Minimum Service Period

Rates for DS3 service may vary during the minimum service period; however, should the recurring charges for a customer's DS3 service increase, in aggregate, by more than 10% from the original recurring charges during the minimum service period, the customer may, at their option, terminate the DS3 service without penalty or liability.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS SERVICE

5. Special Access Service (Cont'd)

5.12 Special Access Service (Cont'd)

5.12.2 Rate Categories, Applications, and Regulations for Iowa Telecom Systems (Cont'd)

5.12.2.6 DS3 High Capacity (Cont'd)

(E) Discontinuance With Liability - DS3 Minimum Service Period

When a DS3 service is discontinued prior to the end of the minimum service period, the customer will be liable for a percentage of the total monthly charges for the remaining portion of the minimum service period. This charge will be based on the rates in effect at the time of disconnect. The customer's total liability is dependant upon the number of months remaining within the year that the service is discontinued times the liability rate for that year plus the total monthly charges for each annual period remaining in the minimum service period times the applicable liability rate. The liability rates for each year of the minimum service period are as follows:

Year In Which Service Is Discontinued	Liability Rate
1	45%
2	30%
3	25%
4	20%
5	15%
6	10%
7	5%

For example, if a customer with a seven year minimum service period discontinues DS3 service after six months within the 4th year, the customer will be liable for 20% of the total monthly charges for six months, 15% of the total monthly charges for the 5th year, 10% of the total monthly charges for the 6th year and 5% of the total monthly charges for the 7th year.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS SERVICE

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.2 Rate Categories, Applications, and Regulations for Iowa Telecom Systems (Cont'd)

DS3 High Capacity (Cont'd)

5.12.2.6 Discontinuance With Liability - DS3 Minimum Service Period (Cont'd)

(E)

When customers with a minimum service period arrangement of three years or greater established with the company's predecessor GTE System Telephone Companies on or prior to September 17, 1992, discontinue service they are eligible for limitation of the termination liability as set forth below.

Customer liability will be calculated as previously stated but will be limited to:

The dollar difference between 1) the amount the customer has already paid and, 2) any additional charges that the customer would have paid for service if the customer had taken a shorter term offering corresponding to the term actually used.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS SERVICE

5. Special Access Service (Cont'd)

5.12 Special Access Service (Cont'd)

5.12.2 Rate Categories, Applications, and Regulations (Cont'd)

5.12.2.6 DS3 High Capacity (Cont'd)

(E) Discontinuance With Liability - DS3 Minimum Service Period (Cont'd)

For example, if a customer with a seven year minimum service period discontinues service after six months within the third year, the customer liability will not exceed:

(Three year monthly rate - seven year monthly rate) x 42 months

(F) Notification of Discontinuance

Notice of discontinuance must be given by the customer at least thirty days prior to actual discontinuance. Monthly charges will apply for a period of thirty days from the date the Telephone Company receives discontinuance notification or until the requested discontinuance date, whichever period is longer.

(G) Upgrade to a Larger Capacity System

At the customer's option, upgrades from a smaller capacity system to a larger capacity system will be allowed. All appropriate NRCs for the larger capacity system will apply. Credit will not be given for any number of months the original system was maintained. A new minimum service period will be required for the larger capacity system.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.2 Rate Categories, Applications, and Regulations for Iowa Telecom Systems (Cont'd)

5.12.2.6 DS3 High Capacity (Cont'd)

(H) Downgrade to a Smaller Capacity System

Downgrades from a larger capacity system to a smaller capacity system will not be allowed without the full assessment of the liabilities described in (E) preceding for the original larger system, plus the full application of all charges for the smaller system. Credit will not be given for any number of months the original system was maintained. A new minimum service period will be required for the smaller capacity system.

(I) Service Disconnect

When a customer requests the disconnect of a DS3 service in the three/twelve capacity system, the disconnect steps are applied on a last in, first out basis. When only the First DS3 service exists on a three/twelve capacity system, that service will be disconnected.

FACILITIES FOR INTERSTATE ACCESS SERVICE

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.2 Rate Categories, Applications, and Regulations (Cont'd)
DS3 High Capacity (Cont'd)

5.12.2.6
Conversion to Tariff - ICB DS3 Service (Cont'd)

(J)

The MRC benefit is equal to the present worth of the difference between the current MRC and the ICB MRC, discounted at one percent per month in service. In no event will the MRC benefit be less than zero. This calculation is shown below:

$$\text{MRC Benefit} = (\text{Current MRC} - \text{ICB MRC}) \times \frac{(1+i)^n - 1}{i \times (1+i)^n}$$

n = Number of months in service
i = Monthly interest rate expressed as a decimal (.01)

For purposes of determining the current general DS3 NRC amount, the ICB service will be matched to the general DS3 offering based on capacity size (1, 3 or 12), and the rate plan term (1, 3, 5 or 7) closest to the ICB's Maximum Termination Liability (MTL) period. For example, if an ICB DS3 was provided at the customer's request on a three capacity DS3 system with a ten year MTL, then the ICB NRC would be compared to the current rate for a three capacity system with a seven year rate plan.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom (Cont'd)

5.12.2 Rate Categories, Applications, and Regulations (Cont'd)

(This page is intentionally blank.)

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.3 Metallic Service

5.12.3.1 Basic Circuit Description

A Metallic circuit is an unconditioned two-wire circuit capable of transmitting low speed varying signals at rates up to 30 baud. Metallic circuits are provided between customer premises or between a customer premises and a Telephone Company hub where bridging functions are performed. Interoffice metallic facilities will be limited in length to a total of five miles per circuit. (T)

5.12.3.2 Technical Specifications Packages

Parameter	Package MT-C	1	2	3
DC Resistance Between Conductors	X	X	X	
Loop Resistance	X			X
Shunt Capacitance	X			X

The technical specifications are delineated in Technical Publication TR-NPL-000336.

5.12.3.3 Channel Interfaces

Compatible channel interfaces are set forth in 9. following.

5.12.3.4 Optional Features and Functions

Central Office Bridging Capability

(1) Three Premises Bridging - Provision of tip-to-tip and ring-to-ring connection in a central office of a metallic pair to a third customer premises.

(a) Series Bridging of up to 26 customer premises.

(b) The following table shows the technical specifications packages with which the optional features and functions are available.

	Available with Technical Specifications Package MT- C	1	2	3
Three Premises Bridging	X	X		X
Series Bridging	X		X	

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.3 Metallic Services (Cont'd)

5.12.3.5 Rates and Charges

(A) Circuit Termination
- Per Point of Termination
- USOC - TMECS

Jurisdiction	Monthly Rates	Nonrecurring Charges
Iowa Telecom Systems	$33.31	$200.00

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems

5.12.3 Metallic Service (Cont'd)

5.12.3.5 Rates and Charges (Cont'd)

(B) Circuit Mileage

Jurisdiction (USOC)	Monthly Rates Fixed (TRG)	Monthly Rates Per Mile (1LFSX)
Iowa Telecom Systems	$20.00	$1.90

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.3 Metallic Services (Cont'd)

5.12.3.5 Rates and Charges (Cont'd)

(C) Optional Features and Functions

(1) Bridging
- Per Port
- USOC - BCNM3, Three Premises Bridging
- BCNMS, Series Bridging

Jurisdiction	Three Premises Bridging Monthly Rate	Series Bridging Monthly Rate
Iowa Telecom Systems	$8.00	$8.00

(This page filed under Transmittal No. 1)

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.4 Telegraph Grade Service

5.12.4.1 Basic Service Description

A Telegraph Grade circuit is an unconditioned circuit capable of transmitting binary signals at rates of 0-75 baud or 0-150 baud. This circuit is furnished for half-duplex or duplex operation. Telegraph Grade circuits are provided between customer premises or between a customer premises and a Telephone Company hub. (T) (T)

5.12.4.2 Technical Specifications Packages

Parameter	Package TG-C	TG-1	TG-2
Telegraph Distortion	X	X	X

The technical specifications are delineated in Technical Reference TR-NPL-000336.

5.12.4.3 Channel Interfaces

Compatible channel interfaces are set forth in 9. following.

5.12.4.4 Optional Features and Functions

(1) Telegraph Bridging (two-wire and four-wire)

The following table shows the technical specifications packages with which the optional features and functions are available.

	Available with Technical Specifications Package TG-C	TG-1	TG-2
Telegraph Bridging	X	X	X

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.4 Telegraph Grade Service (Cont'd)

5.12.4.5 Rates and Charges

(A) Circuit Termination
- Per Point of Termination
- USOC - TME2X, 2-Wire

Jurisdiction	2-Wire Monthly Rates	2-Wire Nonrecurring Charges
Iowa Telecom Systems	$33.31	$200.00

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.4 Telegraph Grade Service (Cont'd)

5.12.4.5 Rates and Charges (Cont'd)

(A) Circuit Termination (Cont'd)
- Per Point of Termination
- USOC - TME4X, 4-Wire

Jurisdiction	4-Wire Monthly Rates	4-Wire Nonrecurring Charges
Iowa Telecom Systems	$50.41	$200.00

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.4 Telegraph Grade Service (Cont'd)

5.12.4.5 Rates and Charges (Cont'd)

(B) Circuit Mileage
- Per Point of Termination

Jurisdiction (USOC)	Monthly Rates -Fixed (TRG)	Monthly Rates - Per Mile (1LFSX)
Iowa Telecom Systems	$20.00	$1.90

(This page filed under Transmittal No. 1)

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.4 Telegraph Service (Cont'd)

5.12.4.5 Rates and Charges (Cont'd)

(C) Optional Features and Functions

(1) Telegraph Bridging
- Per Port
- USOC - BCNT2, 2-Wire
BCNT4, 4-Wire

Jurisdiction	2-Wire Bridging Monthly Rate	4-Wire Bridging Monthly Rate
Rates listed here apply to all jurisdictions of the Issuing Carriers listed on Title Pages 2, 3 and 4.	$8.00	$8.00

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.5 Voice Grade Service

5.12.5.1 Basic Circuit Description

A Voice Grade Circuit is a circuit which provides voice frequency transmission capability in the nominal frequency range of 300 to 3000 Hz and may be terminated two-wire or four-wire. Effective 2-wire and 4-wire circuits are available as an Optional Feature and Function. Voice Grade circuits are provided between customer premises or between a customer premises and a Telephone Company hub. (T)

Voice Grade Service may be ordered in conjunction with Switched Access services as set forth in Section 4.2.5 preceding to provide access for a customer's communications service (e.g., WATS, 800, 888, or WATS-type service). When the customer orders the Switched Access Interface Arrangement, Voice Grade Circuits provide voice frequency transmission capability between an end user premises and a WATS Serving Office (WSO). All applicable Special Access rates and charges apply (including Optional Features and Functions charges). Technical Specifications and Optional Features and Functions available with this arrangement are indicated under Package VG-SI in 5.12.5.5 following.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.5 Voice Grade Service (Cont'd)

5.12.5.2 Technical Specifications Packages

		Package VG-											
Parameter	C*	1	2	3	4	5	6	7	8	9	10	11	12	SI
Attenuation Distortion	X	X	X	X	X	X	X	X	X	X	X	X	X	X
C-Message Noise	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Echo Control	X	X	X	X		X		X	X			X	X	X
Envelope Delay Distortion	X						X	X	X	X	X	X	X	X
Frequency Shift	X						X	X	X	X	X	X	X	X
Impulse Noise	X					X	X	X	X	X	X	X	X	X
Intermodulation Distortion	X						X	X	X	X	X	X		X
Loss Deviation	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Phase Hits, Gain Hits, and Dropouts	X													
Phase Jitter	X						X	X	X	X	X	X	X	X
Return Loss													X	
Signal-to-C Message Noise			X											
Signal-to-C Notch Noise	X					X	X	X	X	X	X	X	X	X

The technical specifications for these parameters (except for dropouts, gain hits, and phase hits) are delineated in Technical Reference TR-NPL-000335 and associated Addendum. The technical specifications for dropouts, phase hits, and gain hits are delineated in Technical Reference PUB 41004, Table 4.

The desired parameters are selected by the customer from the list of available parameters.

*

(This page filed under Transmittal No. 11)

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.5 Voice Grade Service (Cont'd)

5.12.5.3 Channel Interfaces

The following channel interfaces for Voice Grade service do not require signaling capability: AH, DA, DB, DD, DE DS, NO, PR and TF.

The following channel interfaces for Voice Grade service require signaling capability: AB, AC, CT, DX, DY, EA, EB, EC, EX, GO, GS, LA, LB, LC, LO, LR, LS, RV, and SF.

5.12.5.4 Optional Features and Functions

(1) Central Office Bridging Capability

(a) Voice Bridging (two-wire or four-wire)

(b) Data Bridging (two-wire or four-wire)

(c) Telephoto Bridging (two-wire and four-wire)

(d) Dataphone Select-A-Station Bridging with sequential arrangement ports or addressable arrangement ports

(e) Telemetry and Alarm Bridging, Split Band-Active Bridging, Passive Bridging, Summation-Active Bridging

(2) Central Office Multiplexing

Voice to Telegraph Grade: An arrangement that converts a Voice Grade circuit to Telegraph Grade circuits using frequency division multiplexing.

(3) Conditioning

Conditioning provides more specific transmission characteristics for Voice Grade services. C-Type conditioning controls attenuation distortion and envelope delay distortion. Sealing Current helps maintain continuity on dry metallic loops.

For two-point services, the parameters apply to each service. For multipoint services, the parameters apply to each mid link or end link. C-Type conditioning and Data Capability may be combined on the same service.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.5 Voice Grade Service (Cont'd)

5.12.5.4 Optional Features and Functions (Cont'd)

(3) Conditioning (Cont'd)

(a) C-Type Conditioning

C-Type Conditioning is provided for the additional control of attenuation distortion and envelope delay distortion on data services. The attenuation distortion and envelope delay distortion specifications for C-Type Conditioning are delineated in Technical Reference TR-NPL-000335.

(b) Improved C-Type Conditioning

Improved C-Type Conditioning options are provided in conjunction with C-Type Conditioning at the rates set forth in Section 5.12.5.5 following. The C-Type Conditioning rate shall apply only once regardless if one or both of the following Improved Options are ordered.

(i) Improved Attenuation Distortion

Improved Attenuation Distortion upgrades the frequency versus loss limits of the channel. The technical specifications for Improved Attenuation Distortion are delineated in Technical Reference TR-NPL-000335. This option is provided in conjunction with C-Type conditioning.

(ii) Improved Envelope Delay Distortion

Improved Envelope Delay Distortion upgrades the frequency versus delay response limits of the channel. The technical specifications for Improved Envelope Delay Distortion are delineated in Technical Reference TR-NPL-000335. This option is provided in conjunction with C-Type conditioning.

(c) Sealing Current

Sealing Current Conditioning is provided to help maintain continuity on dry metallic loops. It is usually associated with four-wire DA or NO type channel interfaces.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.5 Voice Grade Service (Cont'd)

5.12.5.4 Optional Features and Functions (Cont'd)

(4) Customer Specified Premises Receive Level

This option allows the customer to specify the receive level at the Point of Termination. This level must be within a specific range on effective four-wire transmission. The ranges are delineated in Technical Reference TR-NPL-000335.

(5) Improved Return Loss

(a) On Effective Four-Wire Transmission at Four-Wire Point of Termination (applicable to each two-wire port): Provides for a fixed 600 ohm impedance, variable level range and simplex reversal. Telephone Company equipment is required at the customer's premises where this option is ordered. The Improved Return Loss parameters are delineated in Technical Reference TR-NPL-000335.

(b) On Effective Four-Wire Transmission at Two-Wire Point of Termination: Provides for more stringent Echo Control specifications. In order for this option to be applicable, the transmission path must be four-wire at one POT and two-wire at the other POT. Placement of Telephone Company equipment may be required at the customer's premises with the two-wire POT. The Improved Return Loss parameters are delineated in Technical Reference TR-NPL-000335.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.5 Voice Grade Service (Cont'd)

5.12.5.4 Optional Features and Functions (Cont'd)

(6) Data Capability

Data Capability provides transmission characteristics suitable for data communications. Specifically, Data Capability provides for the control of Signal to C-Notched Noise Ratio and intermodulation distortion. It is available for two-point services or multipoint services.

The Signal to C-Notched Noise Ratio and intermodulation distortion parameter for Data Capability are:

- Signal to C-Notched Noise Ratio is greater than or equal to 32dB Intermodulation distortion
- Signal to second order modulation products (R2) is greater than or equal to 38dB
- Signal to third order modulation products (R3) is greater than or equal to 42 dB

When a service equipped with Data Capability is used for voice communications, the quality of the voice transmission may not be satisfactory.

Telephoto Capability

(7) Telephoto Capability provides transmission characteristics suitable for telephotographic communications. Specifically, Telephoto Capability is provided for the control of attenuation distortion and envelope delay distortion of telephotographic services. The attenuation distortion and envelope delay distortion parameters for Telephoto Capability are:

Attenuation Distortion (1004Hz Reference)

Frequency Range (Hz)	Variation (dB)
500-3000	-0.5 to +1.5
300-3200	-1.0 to +2.5

Envelope Delay Distortion

Frequency Range (Hz)	Variation (mcs)
1000-2600	110
800-2800	180

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.5 Voice Grade Service (Cont'd)

5.12.5.4 Optional Features and Functions (Cont'd)

(8) Signaling Capability

Signaling Capability provides for the ability to transmit signals from one customer premises to another customer premises on the same service.

(9) Selective Signaling Arrangement

An arrangement that permits code selective ringing for up to ten codes on a multipoint service.

(10) Transfer Arrangement

An arrangement that affords the customer an additional measure of flexibility in the use of their access circuits. The arrangement can be utilized to transfer a leg of a Special Access Service to another circuit that terminates in either the same or a different customer premises. A key activated or dial-up control service is required to operate the transfer arrangement. A spare circuit, if required, is not included as part of the option.

(11) Four-Wire/Two-Wire Conversions

The term "Effective 2-Wire" denotes a condition which permits the simultaneous transmission in both directions over a channel, but it is not possible to insure independent information transmission in both directions. Effective 2-wire channels may be terminated with 2-wire or 4-wire interfaces.

The term "Effective 4-Wire" denotes a condition which permits the simultaneous independent transmission of information in both directions over a channel. The method of implementing effective 4-wire transmission is at the discretion of the Telephone Company (physical, time domain, frequency-domain separation or echo cancellation techniques). Effective 4-wire channels may be terminated with a 2-wire interface at the customer's premises. However, when terminated 2-wire, simultaneous independent transmission cannot be supported because the two wire interface combines the transmission paths into a single path.

When a customer requests that an effective four-wire circuit be terminated with a two-wire circuit interface at the customer premises, a four-wire to two-wire conversion is required. The customer will be charged the 4-wire Circuit Termination rate when an effective four-wire is specified in the customer's order. The rate for the conversion is included as part of the basic Circuit Termination rate. (T)

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.5 Voice Grade Service (Cont'd)

5.12.5.4 Optional Features and Functions (Cont'd)

The following table shows the technical specifications packages with which the optional features and functions are available.

	Available with Technical Specifications Package VG-													
	C	1	2	3	4	5	6	7	8	9	10	11	12	SI
C-Type Conditioning	X										X		X	X
	X	X												
Central Office Bridging Capability	X		X				X	X					X	X
Central Office Multiplexing	X							X						
Customer Specified Premises Receive Level	X		X	X					X	X	X			
Data Capability	X							X	X				X	
Improved Return Loss -For Effective Four-Wire Transmission	X	X	X	X	X	X	X	X	X	X	X	X	X	X
-For Effective Two-Wire Transmission	X		X	X					X					
Sealing Current Conditioning	X							X						
Selective Signaling Arrangement	X		X				X	X					X	X
Signaling Capability #	X	X	X	X					X	X	X			
Transfer Arrangement	X	X	X	X	X	X	X	X	X	X	X	X	X	

(#)

Signaling is provided in conjunction with Switched Access as set forth in 4.2.5 preceding.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.5 Voice Grade Service (Cont'd)

5.12.5.5 Rates and Charges

(A) Circuit Termination
- Per Point of Termination
- USOC - TME2X, 2-Wire

Jurisdiction	2-Wire Monthly Rates		2-Wire Nonrecurring Charges
Iowa Telecom Systems	$27.50	(R)	$200.00

(This page filed under Transmittal No. 35)

Vice President-External Affairs
115 South Second Avenue, West
Newton, IA 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.5 Voice Grade Service (Cont'd)

5.12.5.5 Rates and Charges (Cont'd)

(A) Circuit Termination (Cont'd)
- Per Point of Termination
- USOC - TME4X, 4-Wire

Jurisdiction	4-Wire Monthly Rates		4-Wire Nonrecurring Charges
Iowa Telecom Systems	$43.50	(R)	$200.00

Vice President-External Affairs
115 South Second Avenue, West
Newton, IA 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.5 Voice Grade Service (Cont'd)

5.12.5.5 Rates and Charges (Cont'd)

(B) Circuit Mileage

Jurisdiction (USOC)	Monthly Rates - Fixed (TRG)	Monthly Rates - Per Mile (1LFSX)
Iowa Telecom Systems	$19.04 (R)	$1.81 (R)

(This page filed under Transmittal No. 9)

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.5 Voice Grade Service (Cont'd)

5.12.5.5 Rates and Charges (Cont'd)

(C) Optional Features and Functions

Rates and charges for the Optional Features and Functions of Voice Grade Service listed in this section apply to exchanges comprising Iowa Telecom Systems, listed in Section 1.1.2.

(1) Bridging

	USOC	Monthly Rates	Nonrecurring Charge
(a) Voice Bridging			
- Per port			
- Two-Wire	BCNV2	$8.00	None
- Four-Wire	BCNV4	8.00	None
(b) Data Bridging			
- Per Port			
- Two-Wire	BCND2	8.00	None
- Four-Wire	BCND4	8.00	None
(c) Telephoto Bridging			
- Per port			
- Two-Wire	BCNF2	8.00	None
- Four-Wire	BCNF4	8.00	None
(d) DATAPHONE Select-A-Station Bridging			
Sequential Arrangement Ports			
- Per Circuit Connected			
- 2-Wire	DQ2	21.23	None
- 4-Wire	DQ4	112.80	None
Addressable Arrangement Ports			
- Per Circuit Connected			
- 2-Wire	KQ2	22.76	None
- 4-Wire	KQ4	115.88	None

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.5. Voice Grade Service (Cont'd)

5.12.5.5 Rates and Charges (Cont'd)

		USOC	Monthly Rates	Nonrecurring Charges
(C)	Optional Features and Functions (Cont'd)			
(1)	Bridging (Cont'd)			
(e)	Telemetry and Alarm Bridging			
	Active Bridging Circuit Connections			
	- Per Circuit Connected			
	- Split Band	CNLRX	$8.04	None
	- Summation	BCNSA	1.37	None
	Passive Bridging Circuit Connections			
	- Per Circuit Connected	BCNTP	0.20	None
(2)	Conditioning			
	- Per Point of Termination			
(a)	C - Type	X1CPT	11.12	None
(b)	Improved C-Type Conditioning Options			
	- Improved Attenuation Distortion	UHW	*	None
	- Improved Envelope Delay Distortion	UHY	*	None
(c)	Sealing Current	1HBPT	None	None
(3)	Improved Return Loss for Effective Four-Wire Transmission			
	- Per Point of Termination			
	- Two-Wire	1RL2W	3.75	None
	- Four-Wire	1RL4W	3.75	None
(4)	Customer Specified Receive Level			
	- Per Two-Wire Point of Termination	RLS	None	None

* Applied at the same rate as C-Type Conditioning regardless if one or both Improved C-Type options are ordered.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.5 Voice Grade Service (Cont'd)

5.12.5.5 Rates and Charges (Cont'd)

		USOC	Monthly Rates	Nonrecurring Charges
(C)	Optional Features and Functions (Cont'd)			
(5)	Multiplexing Voice to Telegraph Grade - Per Arrangement	MQX	$216.75	$200.00
(6)	Data Capability - Per Point of Termination	XDCPT	2.00	0.00
(7)	Telephoto Capability - Per Point of Termination	XTCPT	2.81	0.00
(8)	Signaling Capability - Per Point of Termination	XSS++	16.51	None
	- In lieu of ++, substitute appropriate two digit code from following list to specify type of signaling.			
	AB			
	AC			
	CT			
	DX			
	DY			
	EA			
	EB			
	EC			
	EX			
	GO			
	GS			
	LA			
	LB			
	LC			
	LO			
	LR			
	LS			
	RV			
	SF			

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.5 Voice Grade Service (Cont'd)

5.12.5.5 Rates and Charges (Cont'd)

		USOC	Monthly Rates	Nonrecurring Charges
(C)	Optional Features and Functions (Cont'd)			
(9)	Selective Signaling Arrangement			
	- Per Arrangement	USZ	$32.11	None
(10)	Transfer Arrangement (Key Activated* or Dial Up**)			
	- Per Four Port Arrangement, including control circuit termination***	USY	3.00	None
	- Per Five Port Arrangement, including control circuit termination***	US5	6.85	None

* The key activated control circuit is rated as a Metallic Circuit Termination (use USOC T6EME in lieu of T6ECS) and Circuit Mileage, if applicable (use USOC 1L5MX in lieu of 1L5XX).

** The Dial-up option requires the customer to purchase the Controller Arrangement (USOC XTDDU) from 5.12.13 following.

*** An additional Circuit Termination charge will apply whenever a spare circuit is configured as a leg to the customer's premises. Additional circuit mileage charges will apply when the transfer arrangement is not located in the customer premises serving wire center.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.6 Program Audio Service

5.12.6.1 Basic Circuit Description

A Program Audio circuit is a circuit measured in Hz for the transmission of a complex signal voltage. The actual bandwidth is a function of the channel interface selected by the customer. The nominal frequency bandwidths are from 50 to 15000 Hz, from 200 to 3500 Hz, from 100 to 5000 Hz or from 50 to 8000 Hz. Only one-way transmission is provided. Program Audio circuits are provided between customer premises or between a customer premises and a Telephone Company hub. (T) (T)

Technical Specifications Packages

5.12.6.2

		Package AP-			
Parameter	C*	1	2	3	4
Actual Measured Loss	X	X	X	X	X
Amplitude Tracking	X				
Crosstalk	X	X	X	X	X
Distortion Tracking	X				
Gain/Frequency Distortion	X	X	X	X	X
Group Delay	X				
Noise	X	X	X	X	X
Phase Tracking	X				
Short-Term Gain Stability	X				
Short-Term Loss	X				
Total Distortion	X	X	X	X	X

The technical specifications are delineated in Technical Reference PUB TR-NPL-000337.

* The desired parameters are selected by the customer from the list available parameters.

(This page filed under Transmittal No. 11)

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.6 Program Audio Service (Cont'd)

5.12.6.3 Channel Interfaces

The following channel interfaces (CIs) define the bandwidths that are available for a Program Audio circuit:

CI	Bandwidth
PG-1	Nominal frequency from 50 to 15000 Hz
PG-3	Nominal frequency from 200 to 3500 Hz
PG-5	Nominal frequency from 100 to 5000 Hz
PG-8	Nominal frequency from 50 to 8000 Hz

Compatible channel interfaces are set forth in 9 following.

5.12.6.4 Optional Features and Functions

(1) Central Office Bridging Capability

Distribution Amplifier

(2) Gain Conditioning

Control of 1004 Hz AML at initiation of service to OdB ± 0.5 dB.

(3) Stereo

Provision of a pair of gain/phase equalized channels for stereo applications. (Additional AP channel must be ordered separately).

The following table shows the technical specifications packages with which the optional features and functions are available.

	Available with Technical Specifications Package AP-				
	C	1	2	3	4
Central Office Bridging Capability	X	X	X	X	X
Gain Conditioning	X	X	X	X	X
Stereo	X				X

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Services (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.6 Program Audio Service (Cont'd)

5.12.6.5 Rates and Charges

(A) Circuit Termination
- Per Point of Termination
- USOC – TMECS

200-3500 Hz

Jurisdiction	Monthly Rates		Daily Rates	Nonrecurring Charge
Iowa Telecom Systems	37.00	(R)	3.92	200.00

(This page filed under Transmittal No. 35)

Vice President-External Affairs
115 South Second Avenue, West
Newton, IA 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Services (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.6 Program Audio Service (Cont'd)

5.12.6.5 Rates and Charges (Cont'd)

(A) Circuit Termination (Cont'd)
- Per Point of Termination
- USOC - TMECS

	100-5000 Hz			
Jurisdiction	Monthly Rates		Daily Rates	Nonrecurring Charge
Iowa Telecom Systems	37.00	(R)	3.92	200.00

Vice President-External Affairs
115 South Second Avenue, West
Newton, IA 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Services (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.6 Program Audio Service (Cont'd)

5.12.6.5 Rates and Charges (Cont'd)

(A) Circuit Termination (Cont'd)
- Per Point of Termination
- USOC - TMECS

	50-8000 Hz		
Jurisdiction	Monthly Rates	Daily Rates	Nonrecurring Charge
Iowa Telecom Systems	37.00 (R)	3.92	200.00

(This page filed under Transmittal No. 35)

Vice President-External Affairs
115 South Second Avenue, West
Newton, IA 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Services (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.6 Program Audio Service (Cont'd)

5.12.6.5 Rates and Charges (Cont'd)

(A) Circuit Termination (Cont'd)
- Per Point of Termination
- USOC - TMECS

	50-15000 Hz		
Jurisdiction	Monthly Rates	Daily Rates	Nonrecurring Charge
Iowa Telecom Systems	37.00 (R)	3.92	200.00

Vice President-External Affairs
115 South Second Avenue, West
Newton, IA 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Services (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.6 Program Audio Service (Cont'd)

5.12.6.5 Rates and Charges (Cont'd)

(B) Circuit Mileage

	200-3500 Hz	
Jurisdiction (USOC)	Monthly Rate Fixed (TRG)	Monthly Rate Per Mile (1LFSX)
Iowa Telecom Systems	42.50	5.04

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Services (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.6 Program Audio Service (Cont'd)

5.12.6.5 Rates and Charges (Cont'd)

(B) Circuit Mileage (Cont'd)

	200-3500 Hz	
Jurisdiction (USOC)	Daily Rate Fixed (TRG)	Daily Rate Per Mile (1LFSX)
Iowa Telecom Systems	4.25	.50

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Services (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.6 Program Audio Service (Cont'd)

5.12.6.5 Rates and Charges (Cont'd)

(B) Circuit Mileage (Cont'd)

Jurisdiction (USOC)	100-5000 Hz Monthly Rate Fixed (TRG)	100-5000 Hz Monthly Rate Per Mile (1LFSX)
Iowa Telecom Systems	42.50	5.04

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Services (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.6 Program Audio Service (Cont'd)

5.12.6.5 Rates and Charges (Cont'd)

(B) Circuit Mileage (Cont'd)

Jurisdiction (USOC)	100-5000 Hz Daily Rate Fixed (TRG)	Daily Rate Per Mile (1LFSX)
Iowa Telecom Systems	4.25	.50

(This page filed under Transmittal No. 1)

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Services (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.6 Program Audio Service (Cont'd)

5.12.6.5 Rates and Charges (Cont'd)

(B) Circuit Mileage (Cont'd)

Jurisdiction (USOC)	50-8000 Hz Monthly Rate Fixed (TRG)	50-8000 Hz Monthly Rate Per Mile (1LFSX)
Iowa Telecom Systems	42.50	5.04

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Services (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.6 Program Audio Service (Cont'd)

5.12.6.5 Rates and Charges (Cont'd)

(B) Circuit Mileage (Cont'd)

Jurisdiction (USOC)	50-8000 Hz Daily Rate Fixed (TRG)	50-8000 Hz Daily Rate Per Mile (1LFSX)
Iowa Telecom Systems	4.25	.50

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Services (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.6 Program Audio Service (Cont'd)

5.12.6.5 Rates and Charges (Cont'd)

(B) Circuit Mileage (Cont'd)

	50-15000 Hz	
Jurisdiction (USOC)	Monthly Rate Fixed (TRG)	Monthly Rate Per Mile (1LFSX)
Iowa Telecom Systems	42.50	5.04

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Services (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.6 Program Audio Service (Cont'd)

5.12.6.5 Rates and Charges (Cont'd)

(B) Circuit Mileage (Cont'd)

	50-15000 Hz	
Jurisdiction (USOC)	Daily Rate Fixed (TRG)	Daily Rate Per Mile (1LFSX)
Iowa Telecom Systems	4.25	.50

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Services (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.6 Program Audio Service (Cont'd)

5.12.6.5 Rates And Charges (Cont'd)

(C) Optional Features and Functions

Rates and charges for the Optional Features and Functions of Program Audio Service listed in this section apply to exchanges comprising Iowa Telecom Systems, and listed in Section 1.1.2, above.

		Monthly Fixed	Daily Rates	Nonrecurring Charges Monthly	Nonrecurring Charges Daily
(1)	Bridging, Distribution Amplifier (USOC - BCNPT) - Per Port	$1.00	$.10	None	None
(2)	Gain Conditioning (USOC - XGC) - Per Service	1.00	.10	None	None
(3)	Stereo (USOC - XSC) - Per service	None	None	None	None

(This page filed under Transmittal No. 1)

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.7 Video Service

5.12.7.1 Basic Circuit Description

A Video circuit is a circuit with one-way transmission capability for a standard 525 line/60 field monochrome, or National Television Systems Committee color video signal and one or two associated 5 or 15 kHz audio signal(s). The bandwidth for a video circuit is either 30 Hz to 4.5 MHz or 30 Hz to 6.6 MHz. The associated audio signal(s) may be either duplexed or provided as one or two separate circuits. The provision and the bandwidth of the associated audio signal(s) is a function of the channel interface selected by the customer. Video circuits are provided between customer premises or between a customer premises and a Telephone Company hub. (T)

Technical Specifications Packages

5.12.7.2

Parameter	C*	Package TV-1	Package TV-2
Amplitude vs. Frequency Response	X		
Chrominance/Luminance Inequalities			
Gain	X	X	X
Delay	X	X	X
Chrominance/Luminance Intermodulation	X		
Chrominance Nonlinear Gain	X		
Chrominance Nonlinear Phase	X		
Crosstalk	X		X
Differential Gain	X	X	X
Differential Phase	X	X	X
Dynamic Gain (picture and sync signal)	X		
Field-Time Distortion	X	X	X
Gain/Frequency Distortion	X	X	X
Gain Stability	X	X	X
Insertion Gain	X	X	X
Line-Time Distortion	X	X	X
Long-Time Distortion	X	X	X

* The desired parameters are selected by the customer from the list of available parameters.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.7 Video Service (Cont'd)

5.12.7.2 Technical Specifications Packages (Cont'd)

		Package TV-	
Parameter	C*	1	2
Luminance Nonlinearity	X		
Luminance Signal/CCIR Weighted Noise	X	X	X
Short-Time Distortion			
2 T Pulse	X	X	X
T - Bar Ringing	X	X	X
Signal/15 kHz Flat Weighted Noise	X	X	X
Signal/Low Frequency Noise	X		
Stereo Gain Difference	X	X	
Stereo Phase Difference	X	X	
Total Harmonic Distortion	X	X	X
Transient Sync Signal Non-Linearity	X		
Video/Audio Delay Difference	X		

The technical specifications are delineated in Technical Reference TR-NPL-000338 and associated Addendum.

5.12.7.3 Channel Interfaces

The following channel interfaces (CIs) define the bandwidth and the provision of the audio signal(s) associated with a Video circuit:

CI	Audio Bandwidth	Provision
2TV6-1	15kHz	1 Channel, duplexed
2TV6-2	15kHz	2 Channels, duplexed
2TV7-1	15kHz	1 Channel, duplexed

* The desired parameters are selected by the customer from the list of available parameters.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.7. Video Service (Cont'd)

5.12.7.3 Channel Interfaces (Cont'd)

CI	Bandwidth	Provision
2TV7-2	15kHz	2 Channels, duplexed
4TV6-5	5kHz	1 Channel, separate
4TV6-15	15kHz	1 Channel, separate
4TV7-5	5kHz	1 Channel, separate
4TV7-15	15kHz	1 Channel, separate
6TV6-5	5kHz	2 Channels, separate
6TV6-15	15kHz	2 Channels, separate
6TV7-5	5kHz	2 Channels, separate
6TV7-15	15kHz	2 Channels, separate

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.7 Video Service (Cont'd)

5.12.7.4 Rates and Charges

(A) Circuit Termination
- Per Point of Termination

Rates and Charges for Iowa Telecom Systems will be determined on an Individual Case Basis and filed in Section 5.12.12 following. Available bandwidths and USOC formats are as follows:

Bandwidth	USOC
-TV-1 or 2	TMEV1
-4TV-5	TMEV4
-6TV-5	TMEV6
-TV-15	TMEV5

(This page filed under Transmittal No. 1)

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.7 Video Service (Cont'd)

5.12.7.4 Rates and Charges (Cont'd)

(B) Circuit Mileage

Rates and Charges for Iowa Telecom Systems will be determined on an Individual Case Basis and filed in Section 5.12.12 following. Available bandwidths and USOC formats are as follows:

Bandwidth	USOC
TV-1 or 2	1L5XX
4TV-5	1L5XX
6TV-5	1L5XX
TV-15	1L5XX

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Services (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.8 Wideband Analog Service

5.12.8.1 Basic Circuit Description

A Wideband Analog circuit is a circuit with a bandwidth measured in kHz for the transmission of a wideband signal. The actual bandwidth is a function of the channel interface selected by the customer. The bandwidths are from 60 to 108 kHz (Group), from 312 to 552 kHz (Supergroup), from 564 to 3084 kHz (Mastergroup), from 300 Hz to 18 kHz, from 29 to 44 kHz or from 28 to 44 kHz. Wideband Analog circuits are provided between customer premises or between a customer premises and a Telephone Company hub. (T)

5.12.8.2 Technical Specifications Packages

	Package WA-				
Parameter	1	2	2A	3	4
Amplitude Stability	X	X			
Background Noise	X	X	X	X	X
Frequency Shift	X	X	X		
Gain/Frequency Characteristics of:					
- Group Connections	X			X	X
- Supergroup Connections		X			
- Mastergroup Connections		X			
Impulse Noise	X	X	X		
Net Loss Variations	X	X	X	X	X
Pilot Slot	X	X	X		
Spurious Single Frequency Tone	X	X	X		

The technical specifications are delineated in Technical Reference PUB TR-NPL-000339.

(This page filed under Transmittal No. 11)

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.8 Wideband Analog Service (Cont'd)

5.12.8.3 Channel Interfaces

The following channel interfaces (CIs) define the bandwidths that are available for a Wideband Analog channel:

CI	Bandwidth
AH-B	60 kHz to 108 kHz (Group)
AH-C	312 kHz to 552 (Supergroup)
AD-D	564 kHZ to 3084 kHz (Mastergroup)
WD-1	300 Hz to 18 kHz
WD-2	29 kHz to 44 kHz
WD-3	28 kHz to 44 kHz

5.12.8.4 Optional Features and Functions

(A) Central Office Multiplexing

(1) Mastergroup to Supergroup

An arrangement that converts a Mastergroup circuit to ten Supergroup circuits using frequency division multiplexing.

(2) Supergroup to Group

An arrangement that converts a Supergroup circuit to five Group circuits using frequency division multiplexing.

(3) Group to Voice

An arrangement that converts a Group circuit to twelve Voice Grade circuits using frequency division multiplexing.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.8 Wideband Analog Service (Cont'd)

5.12.8.4 Optional Features and Functions (Cont'd)

(A) Central Office Multiplexing (Cont'd)

(4) Group to DS1

An arrangement that converts two Group circuit to DS1 circuit using analog to digital conversion.

The following table shows the technical specifications packages with which the optional features and functions are available.

	Available with Technical Specifications Package WA-				
	1	2	2A	3	4
Central Office Multiplexing:					
Mastergroup to Supergroup		X			
Supergroup to Group			X		
Group to Voice	X				
Group to DS1*					

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Services (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.8 Wideband Analog Services (Cont'd)

5.12.8.5 Rates and Charges

(A) Circuit Termination
- Per Point of Termination

Monthly Rates and Nonrecurring Charges for Iowa Telecom Systems will be determined on an Individual Case Basis and filed in Section 5.12.12 following.

Available frequency bandwidths and USOC formats are as follows:

Frequency Bandwidths	USOC
60 kHz - 108 kHz	TWT++
312 kHz - 552 kHz	TWT++
564 kHz - 3084 kHz	TWT++
300 Hz - 18 kHz	TWT++
29 kHz - 44 kHz	TWT++

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont')

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.8 Wideband Analog Services (Cont'd)

5.12.8.5 Rates and Charges (Cont'd)

(B) Circuit Mileage

Fixed and Per Mile Monthly Rates for Iowa Telecom Systems will be determined on an Individual Case Basis and filed in Section 5.12.12 following.

Available bandwidths and USOC formats are as follows.

Frequency Bandwidth	USOC
60-108 kHz	1LO++
312-552 kHz	1LO++
564-3084 kHz	1LO++
300 Hz-18 kHz	1LO++
29-44 kHz	1LO++

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Services (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.8 Wideband Analog Services (Cont'd)

5.12.8.5 Rates and Charges (Cont'd)

(C) Optional Features and Functions

(1) Multiplexing

Fixed and Per Mile Monthly Rates for Iowa Telecom Systems will be determined on an Individual Case Basis and filed in Section 5.12.12 following.

Available multiplexing arrangements and USOC formats are as follows:

Multiplexing Arrangement	USOC (Per Arrangement)
Mastergroup to Supergroup	MQ9++
Supergroup to Group	MQS++
Group to Voice	MQV++
Group to DS1*	MQG++

* Requires two 60-108 kHz Circuit Terminations and Circuit Mileage, one 1.544 Mbps Circuit Mileage and either a 1.544 Circuit Termination or a DS1 to Voice Multiplexing optional feature, depending on whether the service terminates at a customers premises or was purchased as a facility, to a Telephone Company hub for multiplexing to Voice Grade.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Services (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.9 Wideband Data Service

5.12.9.1 Basic Circuit Description

A Wideband Data circuit is an analog circuit for the transmission of synchronous serial data at the rate of 19.2, 50.0, or 230.4 kbps or of asynchronous serial data at rates of up to 19.2, 50.0, or 230.4 kbps. Optional arrangements are available for transmission of synchronous serial data at 18.75 or 40.8 kbps. The actual bit rate is a function of the channel interface selected by the customer. This service requires a 303 Data Station(s). The 303 Data Station provides coupling between the customers business machine and the wideband data transmission medium. A voice band coordinating channel is also provided. Wideband Data circuits are provided between customer premises. (T)

Technical Specifications Packages

5.12.9.2

Parameter	Package WD-1	Package WD-2	Package WD-3
Error-Free Seconds	X	X	X

While in service, the monthly average of error-free seconds will be equal to or greater than 98.75%.

Channel Interfaces

5.12.9.3 The following channel interfaces (CIs) define the bit rates that are available for a Wideband Data circuit:

CI	Bit Rate
WB-18S	18.75 kbps, synchronous
WB-19A	up to 19.2 kbps, asynchronous
WB-19S	19.2 kbps, synchronous
WB-23A	up to 230.4 kbps, asynchronous
WB-23S	230.4 kbps, synchronous
WB-40S	40.8 kbps, synchronous
WB-50A	up to 50.0 kbps, asynchronous
WB-50S	50.0 kbps, synchronous

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.9 Wideband Data Service (Cont'd)

5.12.9.4 Optional Features and Functions

(A) Key Activated Transfer Arrangement

An arrangement that affords the customer an additional measure of flexibility in the use of their access circuit(s). The arrangement can be utilized to transfer a leg of a Special Access Service to either a spare or working circuit that terminates in either the same or a different customer premises. A key activated control service is required to operate the transfer arrangement. A spare circuit, if required, is not included as a part of the option.

The following table shows the technical specifications packages with which the optional features and functions are available.

	Available with Technical Specifications Package WD-		
	1	2	3
Key Activated Transfer Arrangement	X	X	X

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Services (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.9 Wideband Data Service (Cont'd)

5.12.9.5 Rates and Charges

(A) Circuit Termination

- Per Point of Termination
- USOC - TMECS

	50.0 or 40.8 Kbps	
Jurisdiction	Monthly Rate	Nonrecurring Charge
Iowa Telecom Systems	892.24	563.05

(This page filed under Transmittal No. 1)

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.9 Wideband Data Service (Cont'd)

5.12.9.5 Rates and Charges (Cont'd)

(A) Circuit Termination (Cont'd)

For data speeds other than 40.8 and 50.0 kbps:

Monthly Rates for the Circuit Termination rate element of Wideband Data Service for Iowa Telecom Systems will be determined on an Individual Case Basis and filed in Section 5.12.12 following.

Available data speeds and USOC formats are as follows:

Data Speed	USOC
18.75 kbps	TWT++
19.2 kbps	TWT++
230.4 kbps	TWT++

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Services (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.9 Wideband Data Service (Cont'd)

5.12.9.5 Rates and Charges (Cont'd)

(B) Circuit Mileage

	50.0 or 40.8 kbps	
Jurisdiction (USOC)	Monthly Rate Fixed (TRG)	Monthly Rate Per Mile (1LFSX)
Iowa Telecom Systems	60.57	27.70

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.9 Wideband Data Service (Cont'd)

5.12.9.5 Rates and Charges (Cont'd)

(B) Circuit Mileage (Cont'd)

For data speeds other than 40.8 and 50.0 kbps:

Fixed and Per Mile Monthly Rates for the Circuit Mileage rate element of Wideband Data Service for Iowa Telecom Systems will be determined on an Individual Case Basis and filed in Section 5.12.12 following.

Available data speeds and USOC formats are as follows:

Data Speed	USOC
18.75 kbps	1LOXX
19.2 kbps	1LOXX
230.4 kbps	1LOXX

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Services (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.9 Wideband Data Service (Cont'd)

5.12.9.5 Rates and Charges (Cont'd)

(C) Optional Features and Functions

Monthly Rates and Nonrecurring Charges applicable to the Iowa Telecom Systems Service Group will be determined on an Individual Case Basis and filed in Section 5.12.12 following. (T) (T)

Available Optional Features and Functions and USOC formats are as follows.

Optional Features and Functions	USOC
Key Activated Transfer Arrangement	
- Per Four Port Arrangement, including control circuit termination*	UTK++

303 Data Station

(D)

Monthly Rates and Nonrecurring Charges for Iowa Telecom Systems will be determined on an Individual Case Basis and filed in Section 5.12.12 following.

303 Data Station	USOC
- Per Point of Termination	TDQ++

* The key activated control circuit is rated as a Metallic Circuit Termination (use USOC TMEME in lieu of TMECS) and Circuit Mileage, if applicable (use USOC 1L5MX in lieu in 1L5XX).

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.10 Digital Data Service

5.12.10.1 Basic Circuit Description

A Digital Data circuit is a circuit for duplex four-wire transmission of synchronous serial data at the rate of 2.4, 4.8, 9.6, 19.2, 56, or 64 Kbps. The actual bit rate is a function of the channel interface selected by the customer. The circuit provides a synchronous service with timing provided by the Telephone Company through the Telephone Company's facilities to the customer in the received bit stream. Digital Data circuits are only available via Telephone Company designated hubs and are provided between customer premises or between a customer premises and a Telephone Company hub. (T)

The customer may provide the Channel Service Unit-type equipment or other Network Channel Terminating Equipment associated with the Digital Data circuit at the customer premises. The interim program for interconnection of such equipment is set forth in Technical Reference PUB AS No. 1.

Technical Specifications Packages

		Package DA		
Parameter	1	2	3	4
5.12.10.2 Error-Free Seconds	X	X	X	X

The Telephone Company will provide a circuit capable of meeting a monthly average performance equal to or greater than 99.875% error-free seconds while the circuit is in service, if it is measured through a CSU equivalent which is designed, manufactured, and maintained to conform with the specifications contained in Technical Reference PUB 62310.

Voltages which are compatible with Digital Data Service are delineated in Technical Reference PUB TR-NPL-000341.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.10 Digital Data Service (Cont'd)

5.12.10.3 Channel Interfaces

The following channel interfaces (CIs) define the bit rates that are available for a Digital Data circuit.

CI	Bit Rate
DU-24	2.4 Kbps
DU-48	4.8 Kbps
DU-96	9.6 Kbps
DU-19	19.2 Kbps
DU-565	56 Kbps
DU-64	64 Kbps

5.12.10.4 Optional Features and Functions

(1) Central Office Bridging Capability

(2) Transfer Arrangement

An arrangement that affords the customer an additional measure of protection and/or flexibility in the use of their access circuit(s) on a 1xN basis. The arrangement can be utilized to transfer a leg of a Special Access Service to either a spare or working circuit that terminates in either the same or a different customer premises. This arrangement is only available at a Telephone Company designated hub. A key activated or dial-up control service is required to operate the transfer arrangement. A spare circuit, if required, is not included as a part of the option. (T)

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.10 Digital Data Service (Cont'd)

5.12.10.5 Rates and Charges

(A) Circuit Termination
- Per Point of Termination
- USOC - TMECS

	2.4, 4.8 & 9.6 Kbps			19.2 Kbps		
Jurisdiction	Monthly Rate		Nonrecurring Charge	Monthly Rate		Nonrecurring Charge
Iowa Telecom Systems	$70.00	(R)	$245.00 (R)	$70.00	(R)	$245.00 (R)

Vice President-External Affairs
115 South Second Avenue, West
Newton, IA 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.10 Digital Data Service (Cont'd)

5.12.10.5 Rates and Charges (Cont'd)

(A) Circuit Termination (Cont'd)
- Per Point of Termination
- USOC - TMECS

	56.0 Kbps		64 Kbps	
Jurisdiction	Monthly Rate	Nonrecurring Charge	Monthly Rate	Nonrecurring Charge
Iowa Telecom Systems	$79.00 (R)	$245.00 (R)	NA	NA

Vice President-External Affairs
115 South Second Avenue, West
Newton, IA 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.10 Digital Data Service (Cont'd)

5.12.10.5 Rates and Charges (Cont'd)

(B) Circuit Mileage

Jurisdiction (USOC)	2.4, 4.8,& 9.6 Kbps Monthly Rate Fixed (TRG)	2.4, 4.8,& 9.6 Kbps Monthly Rate Per Mile (1LFSX)	19.2 Kbps Monthly Rate Fixed (TRG)	19.2 Kbps Monthly Rate Per Mile (1LFSX)
Iowa Telecom Systems	$34.40 (R)	$4.00	$34.40 (R)	$4.00

Vice President-External Affairs
115 South Second Avenue, West
Newton, IA 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.10.5 Digital Data Service (Cont'd)

(B) Rates and Charges (Cont'd)

Circuit Mileage (Cont'd)

Jurisdiction (USOC)	56.0 Kbps Monthly Rate Fixed (TRG)	56.0 Kbps Monthly Rate Per Mile (1LFSX)	64 Kbps Monthly Rate Fixed (TRG)	64 Kbps Monthly Rate Per Mile (1LFSX)
Iowa Telecom Systems	$34.40(R)	$4.00	NA	NA

Vice President-External Affairs
115 South Second Avenue, West
Newton, IA 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.10 Digital Data Service (Cont'd)

5.12.10.5 Rates and Charges (Cont'd)

(C) Optional Features and Functions

Monthly Rates and Nonrecurring Charges for the Optional Features and Functions of Digital Data Service listed in this section apply to exchanges comprising Iowa Telecom Systems listed in Section 1.1.2, above.

Optional Features and Functions	USOC	Monthly Rates	Nonrecurring Charges
(1) Bridging - Per Port	BCNDA	$11.00	None
(2) Loop Transfer Arrangement (Key Activated* or Dial-Up**) - Per Four-Port Arrangement***	XTD	5.96	None

* The key activated control is rated as a Metallic Circuit Termination (Use USOC T6EME in lieu of T6ECS) and Circuit Mileage, if applicable (Use USOC 1L5MX in lieu of 1L5XX).

** The Dial-Up option requires the customer to purchase the Controller Arrangement (USOC XTDDU) from 5.12.13 following.

*** An additional Circuit Termination charge will apply whenever a spare circuit is configured as a leg to the customer's premises. Additional Circuit Mileage charges will also apply when the transfer arrangement is not located in the customer premises serving wire center.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.11 High Capacity Service

5.12.11.1 Basic Circuit Description

A High Capacity circuit is a circuit for the transmission of nominal 64.0 kbps* or 1.544, 3.152, 6.312, 44.736, or 274.176 Mbps isochronous serial data. The actual bit rate is a function of the channel interface selected by the customer. High Capacity circuits are provided between customer premises or between a customer premises and a Telephone Company hub. (T)

The customer may provide the Network Channel Terminating Equipment associated with the High Capacity circuit at the customer's premises. The interim program for interconnection of such equipment is set forth in Technical Reference PUB AS No. 1.

Technical Specifications Packages

	Package HC					
Parameter	0	1	1C	2	3	4
Error-Free Seconds		X				

5.12.11.2

A circuit with technical specifications package HC1 will be capable of an error-free second performance of 98.75% over a continuous 24 hour period as measured at the 1.544 Mbps rate through a CSU equivalent which is designed, manufactured, and maintained to conform with the specifications contained in Technical Reference PUB 62411.

* Available only as a circuit of a 1.544 Mbps facility to a Telephone Company Digital Data hub or as a cross connect of two 2.4, 4.8, 9.6, 56.0 or 64.0 kbps circuits of two 1.544 Mbps facilities to a Digital Data hub(s). The customer must provide system and channel assignment data.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.11 High Capacity Service (Cont'd)

5.12.11.3 Channel Interfaces

The following channel interfaces (CIs) define the bit rates that are available for a High Capacity circuit:

CI	Bit Rate
DS-15*	1.544 Mbps (DS1)
DS-27	274.176 Mbps (DS4)
DS-31	3.152 Mbps (DSIC)
DS-44	44.736 Mbps (DS3)
DS-63	6.312 Mbps (DS2)

Compatible channel interfaces are set forth in 9.3.5 following.

5.12.11.4 Optional Features and Functions

(1) Automatic Loop Transfer

The Automatic Loop Transfer provides protection on a 1xN basis against failure of the facilities between a customer premises and the wire center serving that premises. (T) Protection is furnished through the use of a switching arrangement that automatically switches to a spare circuit line when a working line fails. The spare circuit is not included as a part of the option. This option requires compatible equipment at both the serving wire center and the customer premises. The customer is responsible for providing the equipment at its premises. Equipment at the customer premises will be provided under tariff only if it existed in the Telephone Company inventory of the Telephone Company's predecessor, GTE System Telephone Companies as of November 18, 1983.

(2) Transfer Arrangement

An arrangement that affords the customer an additional measure of flexibility in the use of their access circuit(s). The arrangement can be utilized to transfer a leg of a Special Access Service to either a spare or working circuit that terminates in either the same or a different customer premises. A key activated or dial-up control service (T) is required to operate the transfer arrangement. A spare circuit, if required, is not included as part of the option.

* A 64.0 kbps circuit is available as a circuit(s) of a 1.544 Mbps facility to a Telephone Company hub.

(This page filed under Transmittal No. 11)

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.11 High Capacity Service (Cont'd)

5.12.11.4 Optional Features and Functions (Cont'd)

(3) Central Office Multiplexing

(a) DS4 to DS1

An arrangement that converts a 274.176 Mbps circuit to 168 DS1 circuits using digital time division multiplexing.

(b) DS3 to DS1

An arrangement that converts a 44.736 Mbps circuit to 28 DS1 circuits using digital time division multiplexing.

(c) DS2 to DS1

An arrangement that converts a 6.312 Mbps circuit to four DS1 circuits using digital time division multiplexing.

(d) DS1C to DS1

An arrangement that converts a 3.152 Mbps circuit to two DS1 circuits using digital time division multiplexing.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.11 High Capacity Service (Cont'd)

5.12.11.4 Optional Features and Functions (Cont'd)

(3) Central Office Multiplexing

(e) DS1 to Voice

An arrangement that converts a 1.544 Mbps circuit to 24 circuits for use with Voice Grade Services.

If this DS1 terminates in a DDS hub, a channel(s) of the DS1 can be used to provide DDS; however, DDS service stops at the DS1 interface.

Up to 16 channels of this DS1 can be used for Direct Digital Service (DDS-like service) with the assurance that circuit performance parameters will be met. If more than 16 channels are used for DDS-like service, the performance parameters for the DS1 and all circuits riding the DS1 will not be guaranteed.

(f) DS1 to DS0

An arrangement that converts a 1.544 Mbps circuit to twenty three (23) 64.0 Kbps circuits utilizing digital time division multiplexing.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.11 High Capacity Service (Cont'd)

5.12.11.4 Optional Features and Functions (Cont'd)

(3) Central Office Multiplexing (Cont'd)

(g) DSO to Subrate

An arrangement that converts a 64.0 kbps circuit to subspeeds of up to twenty 2.4 kbps, ten 4.8 kbps, or five 9.6 kbps circuits using digital time division multiplexing.

(4) Clear Channel Capability (CCC)

CCC provides a Bipolar with Eight Zero Substitution (B8ZS) encoding technique that allows a customer to transport 1.536 Mbps information rate signals over a 1.544 Mbps High Capacity Channel with no restraint on the quantity or sequence of one (mark) and zero (space) bits. This arrangement allows customers to derive 64 kbps clear channels. This service is provided only on 1.544 Mbps High Capacity Channels between two customer premises and is subject to availability of facilities. This arrangement requires the customer-provided multiplexing equipment to be compatible with the B8ZS line code as specified in Technical Reference TR-NPL-000054 and Technical Reference PUB TR-NPL-000342. (T)

(5) The following table shows the technical specifications packages with which the optional features and functions are available.

	Available with Technical Specifications Package HC-					
	0	1	1C	2	3	4
Automatic Loop Transfer		X				
Central Office Multiplexing:						
DS4 to DS1					X	
DS3 to DS1				X		
DS2 to DS1			X			
DS1C to DS1			X			
DS1 to Voice		X				
DS1 to DS0		X				
DS0 to Subrate*	X					
Transfer Arrangement		X				
Clear Channel Capability		X				

* Available only on a circuit of a 1.544 Mbps facility to a Telephone Company hub.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.11 High Capacity Service (Cont'd)

5.12.11.5 Rates and Charges

(A) Circuit Termination - High Capacity DS1
- Per Point of Termination
- USOC - TMECS

	1.544 Mbps	
Jurisdiction	Monthly Rate	Nonrecurring Charge
Iowa Telecom Systems	$235.00 (R)	$350.00 (R)

Vice President-External Affairs
115 South Second Avenue, West
Newton, IA 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.11 High Capacity Service (Cont'd)

5.12.11.5 Rates and Charges (Cont'd)

(A) Circuit Termination - High Capacity DS1 Term Payment Plan
- Per Point of Termination
- USOC (EU4DX)
(1CKDX)

Jurisdiction	Nonrecurring Charge	One Year Monthly Rate
Iowa Telecom Systems	350.00 (R)	165.00 (R)

Vice President-External Affairs
115 South Second Avenue, West
Newton, IA 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.11 High Capacity Service (Cont'd)

5.12.11.5 Rates and Charges (Cont'd)

(A) Circuit Termination - High Capacity DS1 Term Payment Plan
- Per Point of Termination
- USOC (EU4DX)
(1CKDX)

Jurisdiction	Two Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate
Iowa Telecom Systems	$160.00 (R)	$155.00 (R)	$150.00 (R)

Vice President-External Affairs
115 South Second Avenue, West
Newton, IA 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.11 High Capacity Service (Cont'd)

5.12.11.5 Rates and Charges (Cont'd)

(A) Circuit Termination - High Capacity FT1 Facilities
- Per Point of Termination

	Standard Arrangement - 2 X 56 Kbps or 2 X 64 Kbps		
Jurisdiction USOC	Monthly Rate	Nonrecurring Charge	
Iowa Telecom Systems	103.00	350.00	(R)

Vice President-External Affairs
115 South Second Avenue, West
Newton, IA 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.11 High Capacity Service (Cont'd)

5.12.11.5 Rates and Charges (Cont'd)

(A) Circuit Termination - High Capacity FT1 Facilities
- Per Point of Termination

	Standard Arrangement - 4 X 56 Kbps or 4 X 64 Kbps		
Jurisdiction USOC	Monthly Rate	Nonrecurring Charge	
Iowa Telecom Systems	114.00	350.00	(R)

(This page filed under Transmittal No. 35)

Vice President-External Affairs
115 South Second Avenue, West
Newton, IA 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.11 High Capacity Service (Cont'd)

5.12.11.5 Rates and Charges (Cont'd)

(A) Circuit Termination - High Capacity FT1 Facilities
- Per Point of Termination

	Standard Arrangement - 6 X 56 Kbps or 6 X 64 Kbps		
Jurisdiction USOC	Monthly Rate	Nonrecurring Charge	
Iowa Telecom Systems	126.00	350.00	(R)

(This page filed under Transmittal No. 35)

Vice President-External Affairs
115 South Second Avenue, West
Newton, IA 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.11 High Capacity Service (Cont'd)

5.12.11.5 Rates and Charges (Cont'd)

(A) Circuit Termination - High Capacity FT1 Optional Payment Plan
- Per Point of Termination

	2 X 56 Kbps or 2 X 64 Kbps		
Jurisdiction USOC	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate
Iowa Telecom Systems	102.00	101.00	100.00

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.11 High Capacity Service (Cont'd)

5.12.11.5 Rates and Charges (Cont'd)

(A) Circuit Termination - High Capacity FT1 Optional Payment Plan
- Per Point of Termination

	4 X 56 Kbps or 4 X 64 Kbps		
Jurisdiction	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate
Iowa Telecom Systems	112.00	110.00	108.00

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.11 High Capacity Service (Cont'd)

5.12.11.5 Rates and Charges (Cont'd)

(A) Circuit Termination - High Capacity FT1 Optional Payment Plan
- Per Point of Termination

	6 X 56 Kbps or 6 X 64 Kbps		
Jurisdiction	One Year Monthly Rate	Three Year Monthly Rate	Five Year Monthly Rate
Iowa Telecom Systems	123.00	120.00	117.00

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.11 High Capacity Service (Cont'd)

5.12.11.5 Rates and Charges (Cont'd)

(A) Circuit Termination - High Capacity DS3
- Per Point of Termination

(1) Individual DS3 - Noncapacity System

Jurisdiction USOC	Nonrecurring Charge	One Year Monthly Rate SLHA1	
Iowa Telecom Systems	1,000.00	3,860.00	(R)

Vice President-External Affairs
115 South Second Avenue, West
Newton, IA 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.11 High Capacity Service (Cont'd)

5.12.11.5 Rates and Charges (Cont'd)

(A) Circuit Termination - High Capacity DS3 (Cont'd)
- Per Point of Termination

(1) Individual DS3 - Noncapacity System

Jurisdiction	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
USOC	SLHA3	SLHA5	SLHA7
Iowa Telecom Systems	2,390.00 (R)	1,940.00 (R)	1,908.00

Vice President-External Affairs
115 South Second Avenue, West
Newton, IA 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.11 High Capacity Service (Cont'd)

5.12.11.5 Rates and Charges (Cont'd)

(A) Circuit Termination - High Capacity DS3 (Cont'd)
- Per Point of Termination

(2) Three Capacity System
- First DS3

Jurisdiction USOC	Nonrecurring Charge	One Year Monthly Rate SLHB1
Iowa Telecom Systems	2,500.00 ¦	4,592.00

(This page filed under Transmittal No. 1)

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.11 High Capacity Service (Cont'd)

5.12.11.5 Rates and Charges (Cont'd)

(A) Circuit Termination - High Capacity DS3 (Cont'd)
- Per Point of Termination

(2) Three Capacity System (Cont'd)
- First DS3

Jurisdiction	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
USOC	SLHB3	SLHB5	SLHB7
Iowa Telecom Systems	3,050.00	2,100.00	2,485.00

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.11 High Capacity Service (Cont'd)

5.12.11.5 Rates and Charges (Cont'd)

(A) Circuit Termination - High Capacity DS3 (Cont'd)
- Per Point of Termination

(2) Three Capacity System
- Each Additional DS3 - (Maximum of 2)

Jurisdiction USOC	Nonrecurring Charge	One Year Monthly Rate SLHC1
Iowa Telecom Systems	1,000.00	239.00

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.11 High Capacity Service (Cont'd)

5.12.11.5 Rates and Charges (Cont'd)

(A) Circuit Termination - High Capacity DS3 (Cont'd)
- Per Point of Termination

(2) Three Capacity System (Cont'd)
- Each Additional DS3 (Maximum of 2)

Jurisdiction	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
USOC	SLHC3	SLHC5	SLHC7
Iowa Telecom Systems	172.00	152.00	143.00

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.11 High Capacity Service (Cont'd)

5.12.11.5 Rates and Charges (Cont'd)

(A) Circuit Termination - High Capacity DS3 (Cont'd)
- Per Point of Termination

(3) Twelve Capacity System
- First DS3

Jurisdiction USOC	Nonrecurring Charge	One Year Monthly Rate SLHD1
Iowa Telecom Systems	4,500.00 ¦	6,556.00

(This page filed under Transmittal No. 1)

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.11 High Capacity Service (Cont'd)

5.12.11.5 Rates and Charges (Cont'd)

(A) Circuit Termination - High Capacity DS3 (Cont'd)
- Per Point of Termination

(3) Twelve Capacity System (Cont'd)
- First DS3

Jurisdiction	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
USOC	SLHD3	SLHD5	SLHD7
Iowa Telecom Systems	4,840.00	4,330.00	4,088.00

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.11 High Capacity Service (Cont'd)

5.12.11.5 Rates and Charges (Cont'd)

(A) Circuit Termination - High Capacity DS3 (Cont'd)
- Per Point of Termination

(3) Twelve Capacity System (Cont'd)
- Each Additional DS3 (Maximum of 11)

Jurisdiction USOC	Nonrecurring Charge	One Year Monthly Rate SLHE1
Iowa Telecom Systems	1,000.00 ¦	279.00

(This page filed under Transmittal No. 1)

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.11 High Capacity Service (Cont'd)

5.12.11.5 Rates and Charges (Cont'd)

(A) Circuit Termination - High Capacity DS3 (Cont'd)
- Per Point of Termination

(3) Twelve Capacity System (Cont'd)
- Each Additional DS3 (Maximum of 11)

Jurisdiction	Three Year Monthly Rate	Five Year Monthly Rate	Seven Year Monthly Rate
USOC	SLHE3	SLHE5	SLHE7
Iowa Telecom Systems	213.00	191.00	181.00

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.11 High Capacity Service (Cont'd)

5.12.11.5 Rates and Charges (Cont'd)

(A) Circuit Termination - Frequency bandwidths other than 1.544 Mbps (DS1) and 44.736 Mbps (DS3)
- Per Point of Termination

Frequency bandwidths other than 1.544 Mbps:

Monthly Rates and Nonrecurring Charges for the Circuit Termination rate element of High Capacity Service for the Iowa Telecom Systems Service Group will be determined on an Individual Case Basis and filed in Section 5.12.12 following. (T)

Available frequency bandwidths and USOC formats are as follows:

Frequency Bandwidths	USOC
64 Kbps	TWT++
3.152 Mbps	TWT++
6.312 Mbps	TWT++
274.176 Mbps	TWT++

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.11 High Capacity (Cont'd)

5.12.11.5 Rates and Charges (Cont'd)

(B) Circuit Mileage - High Capacity DS1

	1.544 Mbps	
Jurisdiction (USOC)	Monthly Rate Fixed (TRG)	Monthly Rate Per Mile (1LFSX)
Iowa Telecom Systems	$15.00	$12.23 (I)

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.11 High Capacity Service (Cont'd)

5.12.11.5 Rates and Charges (Cont'd)

(B) Circuit Mileage - High Capacity FT1 Facilities

	2 X 56 Kbps or 2 X 64 Kbps	
Jurisdiction (USOC)	Monthly Rate Fixed (TRG)	Monthly Rate Per Mile (1LFSX)
Iowa Telecom Systems	15.00	1.94

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.11 High Capacity Service (Cont'd)

5.12.11.5 Rates and Charges (Cont'd)

(B) Circuit Mileage - High Capacity FT1 Facilities

		4 X 56 Kbps or 4 X 64 Kbps
Jurisdiction (USOC)	Monthly Rate Fixed (TRG)	Monthly Rate Per Mile (1LFSX)
Iowa Telecom Systems	18.00	1.98

(This page filed under Transmittal No. 1)

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.11 High Capacity Service (Cont'd)

5.12.11.5 Rates and Charges (Cont'd)

(B) Circuit Mileage - High Capacity FT1 Facilities

		6 X 56 Kbps or 6 X 64 Kbps
Jurisdiction (USOC)	Monthly Rate Fixed (TRG)	Monthly Rate Per Mile (1LFSX)
Iowa Telecom Systems	23.00	2.01

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.11 High Capacity Service (Cont'd)

5.12.11.5 Rates and Charges (Cont'd)

(B) Circuit Mileage - High Capacity DS3

Jurisdiction (USOC)	Monthly Rate Fixed (TRG)	Per Mile (1LFSX)
Iowa Telecom Systems	$450.00	$69.25 (I)

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.11 High Capacity (Cont'd)

5.12.11.5 Rates and Charges (Cont'd)

(B) Circuit Mileage - For frequency bandwidths other than 1.544 Mbps (DS1) and 44.736 Mbps (DS3):

Fixed and Per Mile Monthly Rates for the Circuit Mileage rate element of High Capacity Service for the Iowa Telecom Systems Service Group will be determined on an Individual Case Basis and filed in Section 5.12.12 following. (T)

Available frequency bandwidths and USOC formats are as follows.

Frequency Bandwidths	USOC
64 Kbps	1L5XX (Fixed), 1L5XX (Per Mile)
3.152 Mbps	1LO++
6.312 Mbps	1LO++
274.176 Mbps	1LO++

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.11 High Capacity (Cont'd)

5.12.11.5 Rates and Charges (Cont'd)

(C) Optional Features and Functions

Rates and charges for the Optional Features and Functions of High Capacity Service listed in this section apply to the Iowa Telecom Systems Service Group. (T)

		USOC	Monthly Rates	Nonrecurring Charges
	Multiplexing			
(1)	DS4 to DS1 - Per arrangement	MXA++	ICB	None
	DS2 to DS1 - Per arrangement	MXD++	ICB	None
	DS1C to DS1 - Per arrangement	MXH++	ICB	None
	DS1 TO DSO - Per arrangement	QMU	$275.00	None
	DSO to Subrates - Per arrangement			
	Up to 20 2.4 Kbps services	QSU24	$160.00	None
	Up to 10 4.8 kbps services	QSU48	$120.00	$800.00
	Up to 5 9.6 kbps services	QSU96	$100.00	$800.00

ICB rates and charges are filed in 5.12.12 following.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.11 High Capacity Service (Cont'd)

5.12.11.5 Rates and Charges (Cont'd)

(C) Optional Features and Functions (Cont'd)

(1) Multiplexing (Cont'd)
DS1 to Voice Multiplexing*
- Per arrangement
- USOC - MQ1

Jurisdiction	Monthly Rate	Nonrecurring Charge
Iowa Telecom Systems	201.50	800.00

*A circuit of this DS1 to the hub can be used for Digital Data service.

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.11 High Capacity Service (Cont'd)

5.12.11.5 Rates and Charges (Cont'd)

(C) Optional Features and Functions (Cont'd)

(1) Multiplexing (Cont'd)
DS3 to DS1 Multiplexing
- Per arrangement
- USOC - MQ3

Jurisdiction	Monthly Rate	Nonrecurring Charge
Iowa Telecom Systems	$508.23	$450.00

(This page filed under Transmittal No. 1)

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.11 High Capacity (Cont'd)

5.12.11.5 Rates and Charges (Cont'd)

(C) Optional Features and Functions (Cont'd)

		USOC	Monthly Rates	Nonrecurring Charges	
(2)	Automatic Loop Transfer - Per arrangement*	T59	$100.00	None	
(3)	Transfer Arrangement (key activated** or dial up***) - Per four port arrangement including control channel termination****)	USV	165.00	None	
(4)	Clear Channel Capability - Per DS1 circuit arranged	CCO	None	$350.00	(R)

* An additional Circuit Termination charge will apply whenever the spare line is provided as a leg to the customer premises.

** The key activated control circuit is rated as a Metallic Circuit Termination (use USOC 1L5MX in lieu of 1L5XX).

*** The Dial-up option requires the customer to purchase the Controller Arrangement (USOC XTDDU from 5.12.13 following.

**** An additional Circuit Termination charge will apply whenever a spare circuit is configured as a leg to the customers premises. Additional circuit mileage charges will also apply when the transfer arrangement is not located in the customer premises serving wire center.

Vice President-External Affairs
115 South Second Avenue, West
Newton, IA 50208

FACILITIES FOR INTERSTATE ACCESS

5. Special Access Service (Cont'd)

5.12 Special Access Service for Iowa Telecom Systems (Cont'd)

5.12.12 Individual Case Filing

Rates and charges for Special Access Service provided on an individual case basis are filed following:

Customer Name	Description and Location	MTL/NRC MRC	Termination Liability Period

Reserved for future use

Vice President-External Affairs
115 South Second Avenue, West
Newton, Iowa 50208